

**KBDID:** 468

**Description:** India-Hindi/Marathi/Sanskrit/Nepali/Konkani and Nepal-Nepali (Devanagari script)-ISCII-91

**External Standard:** ISCII - 91

**Status:** Registered

**National Layout:** Yes

**Regions:** India, Nepal

**Registration Date:** 1997-07-10

**Last Revision Date:** 2008-12-17

**Notes:**

1. Required for India. See notes on attached PDF.
2. Added Vedic overlay in Nov. 1999.
3. Added a note in Jan. 2002 stating that this keyboard can be used with the following four languages: Hindi; Marathi; Sanskrit; and Nepali (all 4 languages are written in Devanagari script).
4. ISCII-91 recommends that Caps Lock be used to switch between the Latin group and the Indic group. However; not all implementations will follow that recommendation.
5. Updated 12/17/2008 to include India-Konkani and Nepal-Nepali in the Description, and add Nepal in the Countries/Regions.

## 468\_L - India-Hindi/Marathi/Sanskrit/Nepali/Konkani (Latin Group)



| GLYPH | ROW | COL | LEVEL | IBM ID | DEAD KEY | NOT ENGRAVED | CHARACTER NAME    | UNICODE ID |
|-------|-----|-----|-------|--------|----------|--------------|-------------------|------------|
| ~     | E   | 00  | L2    | SD19   |          |              | Tilde Accent      | U+007E     |
| `     | E   | 00  | L1    | SD13   |          |              | Grave Accent      | U+0060     |
| !     | E   | 01  | L2    | SP02   |          |              | Exclamation Point | U+0021     |
| 1     | E   | 01  | L1    | ND01   |          |              | One               | U+0031     |
| @     | E   | 02  | L2    | SM05   |          |              | At Sign           | U+0040     |
| 2     | E   | 02  | L1    | ND02   |          |              | Two               | U+0032     |
| #     | E   | 03  | L2    | SM01   |          |              | Number Sign       | U+0023     |
| 3     | E   | 03  | L1    | ND03   |          |              | Three             | U+0033     |
| \$    | E   | 04  | L2    | SC03   |          |              | Dollar Sign       | U+0024     |
| 4     | E   | 04  | L1    | ND04   |          |              | Four              | U+0034     |
| %     | E   | 05  | L2    | SM02   |          |              | Percent Sign      | U+0025     |
| 5     | E   | 05  | L1    | ND05   |          |              | Five              | U+0035     |
| ^     | E   | 06  | L2    | SD15   |          |              | Circumflex Accent | U+005E     |
| 6     | E   | 06  | L1    | ND06   |          |              | Six               | U+0036     |
| &     | E   | 07  | L2    | SM03   |          |              | Ampersand         | U+0026     |
| 7     | E   | 07  | L1    | ND07   |          |              | Seven             | U+0037     |
| *     | E   | 08  | L2    | SM04   |          |              | Asterisk          | U+002A     |

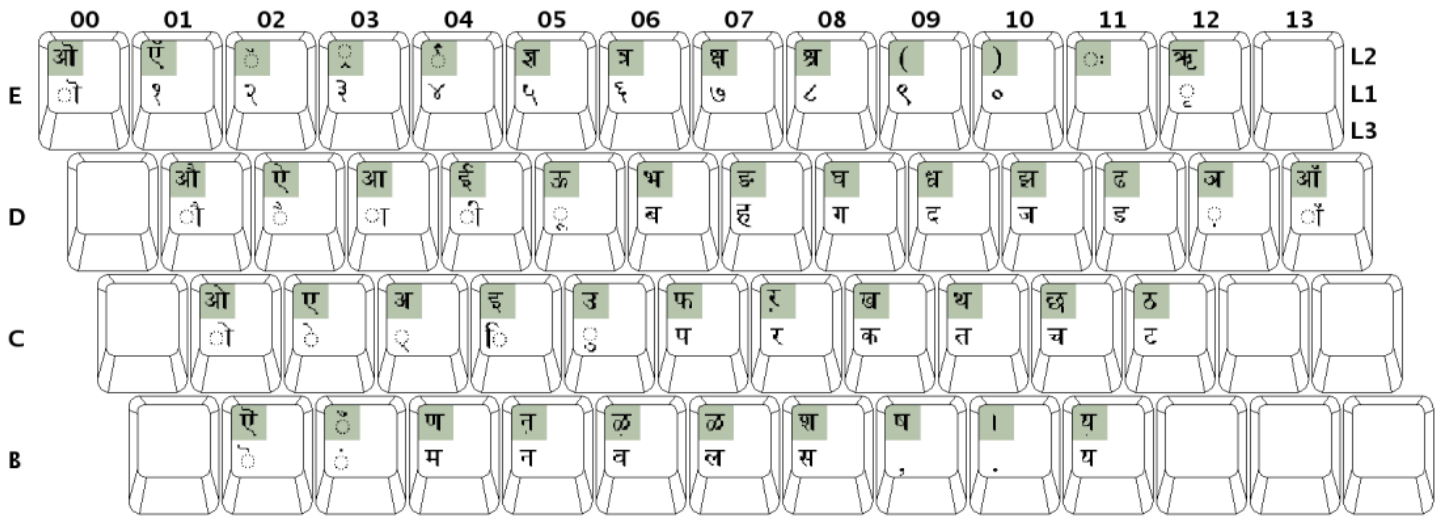
|   |   |    |    |      |  |  |                                 |        |
|---|---|----|----|------|--|--|---------------------------------|--------|
| 8 | E | 08 | L1 | ND08 |  |  | Eight                           | U+0038 |
| ( | E | 09 | L2 | SP06 |  |  | Left Parenthesis                | U+0028 |
| 9 | E | 09 | L1 | ND09 |  |  | Nine                            | U+0039 |
| ) | E | 10 | L2 | SP07 |  |  | Right Parenthesis               | U+0029 |
| 0 | E | 10 | L1 | ND10 |  |  | Zero                            | U+0030 |
| _ | E | 11 | L2 | SP09 |  |  | Underline/Continuous Underscore | U+005F |
| - | E | 11 | L1 | SP10 |  |  | Hyphen/Minus Sign               | U+002D |
| + | E | 12 | L2 | SA01 |  |  | Plus Sign                       | U+002B |
| = | E | 12 | L1 | SA04 |  |  | Equal Sign                      | U+003D |
| Q | D | 01 | L2 | LQ02 |  |  | Q Capital                       | U+0051 |
| q | D | 01 | L1 | LQ01 |  |  | q Small                         | U+0071 |
| W | D | 02 | L2 | LW02 |  |  | W Capital                       | U+0057 |
| w | D | 02 | L1 | LW01 |  |  | w Small                         | U+0077 |
| E | D | 03 | L2 | LE02 |  |  | E Capital                       | U+0045 |
| e | D | 03 | L1 | LE01 |  |  | e Small                         | U+0065 |
| R | D | 04 | L2 | LR02 |  |  | R Capital                       | U+0052 |
| r | D | 04 | L1 | LR01 |  |  | r Small                         | U+0072 |
| T | D | 05 | L2 | LT02 |  |  | T Capital                       | U+0054 |
| t | D | 05 | L1 | LT01 |  |  | t Small                         | U+0074 |
| Y | D | 06 | L2 | LY02 |  |  | Y Capital                       | U+0059 |
| y | D | 06 | L1 | LY01 |  |  | y Small                         | U+0079 |
| U | D | 07 | L2 | LU02 |  |  | U Capital                       | U+0055 |
| u | D | 07 | L1 | LU01 |  |  | u Small                         | U+0075 |
| I | D | 08 | L2 | LI02 |  |  | I Capital                       | U+0049 |
| i | D | 08 | L1 | LI01 |  |  | i Small                         | U+0069 |
| O | D | 09 | L2 | LO02 |  |  | O Capital                       | U+004F |
| o | D | 09 | L1 | LO01 |  |  | o Small                         | U+006F |
| P | D | 10 | L2 | LP02 |  |  | P Capital                       | U+0050 |
| p | D | 10 | L1 | LP01 |  |  | p Small                         | U+0070 |
| { | D | 11 | L2 | SM11 |  |  | Left Brace                      | U+007B |
| [ | D | 11 | L1 | SM06 |  |  | Left Bracket                    | U+005B |
| } | D | 12 | L2 | SM14 |  |  | Right Brace                     | U+007D |
| ] | D | 12 | L1 | SM08 |  |  | Right Bracket                   | U+005D |
|   | D | 13 | L2 | SM13 |  |  | Vertical Line/Logical OR        | U+007C |
| \ | D | 13 | L1 | SM07 |  |  | Backslash                       | U+005C |
| A | C | 01 | L2 | LA02 |  |  | A Capital                       | U+0041 |
| a | C | 01 | L1 | LA01 |  |  | a Small                         | U+0061 |
| S | C | 02 | L2 | LS02 |  |  | S Capital                       | U+0053 |
| s | C | 02 | L1 | LS01 |  |  | s Small                         | U+0073 |
| D | C | 03 | L2 | LD02 |  |  | D Capital                       | U+0044 |
| d | C | 03 | L1 | LD01 |  |  | d Small                         | U+0064 |
| F | C | 04 | L2 | LF02 |  |  | F Capital                       | U+0046 |
| f | C | 04 | L1 | LF01 |  |  | f Small                         | U+0066 |
| G | C | 05 | L2 | LG02 |  |  | G Capital                       | U+0047 |
| g | C | 05 | L1 | LG01 |  |  | g Small                         | U+0067 |
| H | C | 06 | L2 | LH02 |  |  | H Capital                       | U+0048 |
| h | C | 06 | L1 | LH01 |  |  | h Small                         | U+0068 |
| J | C | 07 | L2 | LJ02 |  |  | J Capital                       | U+004A |

|   |   |    |    |      |  |  |                   |        |
|---|---|----|----|------|--|--|-------------------|--------|
| j | C | 07 | L1 | LJ01 |  |  | j Small           | U+006A |
| K | C | 08 | L2 | LK02 |  |  | K Capital         | U+004B |
| k | C | 08 | L1 | LK01 |  |  | k Small           | U+006B |
| L | C | 09 | L2 | LL02 |  |  | L Capital         | U+004C |
| l | C | 09 | L1 | LL01 |  |  | l Small           | U+006C |
| : | C | 10 | L2 | SP13 |  |  | Colon             | U+003A |
| ; | C | 10 | L1 | SP14 |  |  | Semicolon         | U+003B |
| " | C | 11 | L2 | SP04 |  |  | Quotation Marks   | U+0022 |
| ' | C | 11 | L1 | SP05 |  |  | Apostrophe        | U+0027 |
| Z | B | 01 | L2 | LZ02 |  |  | Z Capital         | U+005A |
| z | B | 01 | L1 | LZ01 |  |  | z Small           | U+007A |
| X | B | 02 | L2 | LX02 |  |  | X Capital         | U+0058 |
| x | B | 02 | L1 | LX01 |  |  | x Small           | U+0078 |
| C | B | 03 | L2 | LC02 |  |  | C Capital         | U+0043 |
| c | B | 03 | L1 | LC01 |  |  | c Small           | U+0063 |
| V | B | 04 | L2 | LV02 |  |  | V Capital         | U+0056 |
| v | B | 04 | L1 | LV01 |  |  | v Small           | U+0076 |
| B | B | 05 | L2 | LB02 |  |  | B Capital         | U+0042 |
| b | B | 05 | L1 | LB01 |  |  | b Small           | U+0062 |
| N | B | 06 | L2 | LN02 |  |  | N Capital         | U+004E |
| n | B | 06 | L1 | LN01 |  |  | n Small           | U+006E |
| M | B | 07 | L2 | LM02 |  |  | M Capital         | U+004D |
| m | B | 07 | L1 | LM01 |  |  | m Small           | U+006D |
| < | B | 08 | L2 | SA03 |  |  | Less-Than Sign    | U+003C |
| , | B | 08 | L1 | SP08 |  |  | Comma             | U+002C |
| > | B | 09 | L2 | SA05 |  |  | Greater-Than Sign | U+003E |
| . | B | 09 | L1 | SP11 |  |  | Period/Full Stop  | U+002E |
| ? | B | 10 | L2 | SP15 |  |  | Question Mark     | U+003F |
| / | B | 10 | L1 | SP12 |  |  | Slash             | U+002F |

**Notes:**

This layer (Latin Group) is identical to that specified in the Indian Standard ISCII-91.

## 468\_D - India-Hindi/Marathi/Sanskrit/Nepali/Konkani



| GLYPH | ROW | COL | LEVEL | IBM ID   | DEAD KEY | NOT ENGRAVED | CHARACTER NAME   | UNICODE ID |
|-------|-----|-----|-------|----------|----------|--------------|--|------------|
| ओ     | E   | 00  | L2    | U0000912 |          |              | DEVANAGARI LETTER SHORT O                                | U+0912     |
| ो     | E   | 00  | L1    | U000094A |          |              | DEVANAGARI VOWEL SIGN SHORT O                            | U+094A     |
| ँ     | E   | 01  | L2    | U000090D |          |              | DEVANAGARI LETTER CANDRA E                               | U+090D     |
| ॑     | E   | 01  | L1    | U0000967 |          |              | DEVANAGARI DIGIT ONE                                     | U+0967     |
| ं     | E   | 02  | L2    | U0000945 |          |              | DEVANAGARI VOWEL SIGN CANDRA E                           | U+0945     |
| २     | E   | 02  | L1    | U0000968 |          |              | DEVANAGARI DIGIT TWO                                     | U+0968     |
| ॒     | E   | 03  | L2    | U0FC000A |          |              | Devanagari composite VIRAMA (HALANT IN ISCII) + RA       |            |
| ३     | E   | 03  | L1    | U0000969 |          |              | DEVANAGARI DIGIT THREE                                   | U+0969     |
| ॑     | E   | 04  | L2    | U0FC000B |          |              | Devanagari composite RA + VIRAMA (HALANT IN ISCII)       |            |
| ४     | E   | 04  | L1    | U000096A |          |              | DEVANAGARI DIGIT FOUR                                    | U+096A     |
| ॒     | E   | 05  | L2    | U0FC000C |          |              | Devanagari composite JA + VIRAMA (HALANT IN ISCII) + NYA |            |
| ५     | E   | 05  | L1    | U000096B |          |              | DEVANAGARI DIGIT FIVE                                    | U+096B     |
| ॒     | E   | 06  | L2    | U0FC000D |          |              | Devanagari composite TA + VIRAMA (HALANT IN ISCII) + RA  |            |
| ६     | E   | 06  | L1    | U000096C |          |              | DEVANAGARI DIGIT SIX                                     | U+096C     |
| ॒     | E   | 07  | L2    | U0FC000E |          |              | Devanagari composite KA + VIRAMA (HALANT IN ISCII) + SSA |            |
| ७     | E   | 07  | L1    | U000096D |          |              | DEVANAGARI DIGIT SEVEN                                   | U+096D     |
| ॒     | E   | 08  | L2    | U0FC000F |          |              | Devanagari composite SHA + VIRAMA (HALANT IN ISCII) + RA |            |
| ८     | E   | 08  | L1    | U000096E |          |              | DEVANAGARI DIGIT EIGHT                                   | U+096E     |
| (     | E   | 09  | L2    | SP06     |          |              | Left Parenthesis   | U+0028     |
| ९     | E   | 09  | L1    | U000096F |          |              | DEVANAGARI DIGIT NINE                                    | U+096F     |
| )     | E   | 10  | L2    | SP07     |          |              | Right Parenthesis  | U+0029     |
| ०     | E   | 10  | L1    | U0000966 |          |              | DEVANAGARI DIGIT ZERO                                    | U+0966     |
| ं     | E   | 11  | L2    | U0000903 |          |              | DEVANAGARI SIGN VISARGA                                  | U+0903     |
| ॠ     | E   | 12  | L2    | U000090B |          |              | DEVANAGARI LETTER VOCALIC R                              | U+090B     |
| ॡ     | E   | 12  | L1    | U0000943 |          |              | DEVANAGARI VOWEL SIGN VOCALIC R                          | U+0943     |
| औ     | D   | 01  | L2    | U0000914 |          |              | DEVANAGARI LETTER AU                                     | U+0914     |
| ौ     | D   | 01  | L1    | U000094C |          |              | DEVANAGARI VOWEL SIGN AU                                 | U+094C     |
| ऐ     | D   | 02  | L2    | U0000910 |          |              | DEVANAGARI LETTER AI                                     | U+0910     |
| ै     | D   | 02  | L1    | U0000948 |          |              | DEVANAGARI VOWEL SIGN AI                                 | U+0948     |
| आ     | D   | 03  | L2    | U0000906 |          |              | DEVANAGARI LETTER AA                                     | U+0906     |
| ा     | D   | 03  | L1    | U000093E |          |              | DEVANAGARI VOWEL SIGN AA                                 | U+093E     |

|   |   |    |    |          |  |  |  |        |
|---|---|----|----|----------|--|--|--|--------|
| ॐ | D | 04 | L2 | U0000908 |  |  | DEVANAGARI LETTER II                     | U+0908 |
| ी | D | 04 | L1 | U0000940 |  |  | DEVANAGARI VOWEL SIGN II                 | U+0940 |
| ऊ | D | 05 | L2 | U000090A |  |  | DEVANAGARI LETTER UU                     | U+090A |
| ृ | D | 05 | L1 | U0000942 |  |  | DEVANAGARI VOWEL SIGN UU                 | U+0942 |
| भ | D | 06 | L2 | U000092D |  |  | DEVANAGARI LETTER BHA                    | U+092D |
| ब | D | 06 | L1 | U000092C |  |  | DEVANAGARI LETTER BA                     | U+092C |
| ङ | D | 07 | L2 | U0000919 |  |  | DEVANAGARI LETTER NGA                    | U+0919 |
| ह | D | 07 | L1 | U0000939 |  |  | DEVANAGARI LETTER HA                     | U+0939 |
| घ | D | 08 | L2 | U0000918 |  |  | DEVANAGARI LETTER GHHA                   | U+0918 |
| ग | D | 08 | L1 | U0000917 |  |  | DEVANAGARI LETTER GA                     | U+0917 |
| घ | D | 09 | L2 | U0000927 |  |  | DEVANAGARI LETTER DHA                    | U+0927 |
| द | D | 09 | L1 | U0000926 |  |  | DEVANAGARI LETTER DA                     | U+0926 |
| झ | D | 10 | L2 | U000091D |  |  | DEVANAGARI LETTER JHA                    | U+091D |
| ज | D | 10 | L1 | U000091C |  |  | DEVANAGARI LETTER JA                     | U+091C |
| ढ | D | 11 | L2 | U0000922 |  |  | DEVANAGARI LETTER DDHA                   | U+0922 |
| ड | D | 11 | L1 | U0000921 |  |  | DEVANAGARI LETTER DDA                    | U+0921 |
| ञ | D | 12 | L2 | U000091E |  |  | DEVANAGARI LETTER NYA                    | U+091E |
| ् | D | 12 | L1 | U000093C |  |  | DEVANAGARI SIGN NUKTA                    | U+093C |
| औ | D | 13 | L2 | U0000911 |  |  | DEVANAGARI LETTER CANDRA O               | U+0911 |
| ी | D | 13 | L1 | U0000949 |  |  | DEVANAGARI VOWEL SIGN CANDRA O           | U+0949 |
| ओ | C | 01 | L2 | U0000913 |  |  | DEVANAGARI LETTER O                      | U+0913 |
| ो | C | 01 | L1 | U000094B |  |  | DEVANAGARI VOWEL SIGN O                  | U+094B |
| ए | C | 02 | L2 | U000090F |  |  | DEVANAGARI LETTER E                      | U+090F |
| े | C | 02 | L1 | U0000947 |  |  | DEVANAGARI VOWEL SIGN E                  | U+0947 |
| अ | C | 03 | L2 | U0000905 |  |  | DEVANAGARI LETTER A                      | U+0905 |
| ् | C | 03 | L1 | U000094D |  |  | DEVANAGARI SIGN VIRAMA (HALANT IN ISCII) | U+094D |
| इ | C | 04 | L2 | U0000907 |  |  | DEVANAGARI LETTER I                      | U+0907 |
| ि | C | 04 | L1 | U000093F |  |  | DEVANAGARI VOWEL SIGN I                  | U+093F |
| उ | C | 05 | L2 | U0000909 |  |  | DEVANAGARI LETTER U                      | U+0909 |
| ु | C | 05 | L1 | U0000941 |  |  | DEVANAGARI VOWEL SIGN U                  | U+0941 |
| फ | C | 06 | L2 | U000092B |  |  | DEVANAGARI LETTER PHA                    | U+092B |
| प | C | 06 | L1 | U000092A |  |  | DEVANAGARI LETTER PA                     | U+092A |
| र | C | 07 | L2 | U0000931 |  |  | DEVANAGARI LETTER RRA                    | U+0931 |
| र | C | 07 | L1 | U0000930 |  |  | DEVANAGARI LETTER RA                     | U+0930 |
| ख | C | 08 | L2 | U0000916 |  |  | DEVANAGARI LETTER KHA                    | U+0916 |
| क | C | 08 | L1 | U0000915 |  |  | DEVANAGARI LETTER KA                     | U+0915 |
| थ | C | 09 | L2 | U0000925 |  |  | DEVANAGARI LETTER THA                    | U+0925 |
| त | C | 09 | L1 | U0000924 |  |  | DEVANAGARI LETTER TA                     | U+0924 |
| छ | C | 10 | L2 | U000091B |  |  | DEVANAGARI LETTER CHA                    | U+091B |
| च | C | 10 | L1 | U000091A |  |  | DEVANAGARI LETTER CA                     | U+091A |
| ठ | C | 11 | L2 | U0000920 |  |  | DEVANAGARI LETTER TTHA                   | U+0920 |
| ट | C | 11 | L1 | U000091F |  |  | DEVANAGARI LETTER TTA                    | U+091F |
| ऐ | B | 01 | L2 | U000090E |  |  | DEVANAGARI LETTER SHORT E                | U+090E |
| ै | B | 01 | L1 | U0000946 |  |  | DEVANAGARI VOWEL SIGN SHORT E            | U+0946 |
| ं | B | 02 | L2 | U0000901 |  |  | DEVANAGARI SIGN CANDRABINDU              | U+0901 |
| ं | B | 02 | L1 | U0000902 |  |  | DEVANAGARI SIGN ANUSVARA                 | U+0902 |
| ण | B | 03 | L2 | U0000923 |  |  | DEVANAGARI LETTER NNA                    | U+0923 |
| म | B | 03 | L1 | U000092E |  |  | DEVANAGARI LETTER MA                     | U+092E |

|   |   |    |    |          |  |                                   |        |
|---|---|----|----|----------|--|-----------------------------------|--------|
| न | B | 04 | L2 | U0000929 |  | DEVANAGARI LETTER NNNA            | U+0929 |
| न | B | 04 | L1 | U0000928 |  | DEVANAGARI LETTER NA              | U+0928 |
| ळ | B | 05 | L2 | U0000934 |  | DEVANAGARI LETTER LLLA            | U+0934 |
| व | B | 05 | L1 | U0000935 |  | DEVANAGARI LETTER VA              | U+0935 |
| ळ | B | 06 | L2 | U0000933 |  | DEVANAGARI LETTER LLA             | U+0933 |
| ल | B | 06 | L1 | U0000932 |  | DEVANAGARI LETTER LA              | U+0932 |
| श | B | 07 | L2 | U0000936 |  | DEVANAGARI LETTER SHA             | U+0936 |
| स | B | 07 | L1 | U0000938 |  | DEVANAGARI LETTER SA              | U+0938 |
| ष | B | 08 | L2 | U0000937 |  | DEVANAGARI LETTER SSA             | U+0937 |
| , | B | 08 | L1 | SP08     |  | Comma                             | U+002C |
| । | B | 09 | L2 | U0000964 |  | DEVANAGARI DANDA (VIRAM IN ISCII) | U+0964 |
| . | B | 09 | L1 | SP11     |  | Period/Full Stop                  | U+002E |
| य | B | 10 | L2 | U000095F |  | DEVANAGARI LETTER YYA             | U+095F |
| य | B | 10 | L1 | U000092F |  | DEVANAGARI LETTER YA              | U+092F |

**Notes:**

1. This group is based on the Indian Standard ISCII-91 for Devanagari. It can be used with the following languages: India-(Hindi, Marathi, Sanskrit, Nepali, Konkani) and Nepal-Nepali. All these languages are written in Devanagari script.

2. The following characters on level 2, row E are precomposed of two or three other characters:

U0FC000A = U000094D+U0000930

U0FC000B = U0000930+U000094D

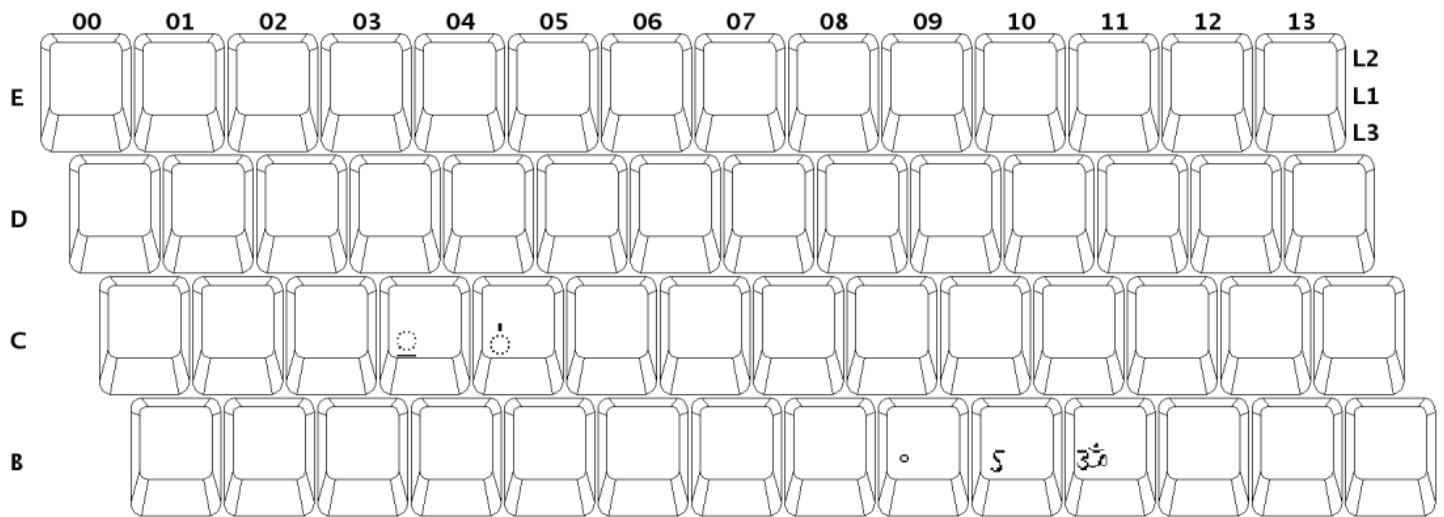
U0FC000C = U000091C+U000094D+U000091E

U0FC000D = U0000924+U000094D+U0000930

U0FC000E = U0000915+U000094D+U0000937

U0FC000F = U0000936+U000094D+U0000930

## 468\_V - India Vedic Overlay



| GLYPH | ROW | COL | LEVEL | IBM ID   | DEAD KEY | NOT ENGRAVED | CHARACTER NAME                  | UNICODE ID |
|-------|-----|-----|-------|----------|----------|--------------|---------------------------------|------------|
| ◌̣    | C   | 03  | L1    | U0000952 |          |              | DEVANAGARI STRESS SIGN ANUDATTA | U+0952     |
| ◌̣̣   | C   | 04  | L1    | U0000951 |          |              | DEVANAGARI STRESS SIGN UDATTA   | U+0951     |
| ◌◌    | B   | 08  | L1    | U0000970 |          |              | DEVANAGARI ABBREVIATION SIGN    | U+0970     |
| ◌॥    | B   | 09  | L1    | U000093D |          |              | DEVANAGARI SIGN AVAGRAHA        | U+093D     |
| ◌ॐ    | B   | 10  | L1    | U0000950 |          |              | DEVANAGARI OM                   | U+0950     |

### Notes:

1. This group (level 3), is reserved for the Vedic Overlay as defined in the ISCII Standard. Currently only the 5 characters above are defined. The rest of the characters in the Vedic Overlay will be added in the future.

2. The following two characters can also be realized as Nukta (U000093C) combinations:

U000093D = U0000964 + U000093C

U0000950 = U0000901 + U000093C

3. On the other hand, the characters below (available on KBD468\_D) when combined together, will give the character shown to their right:

U0000907+U000093C = U000090C

U0000908+U000093C = U0000961

U0000964+U0000964 = U0000965

U0000943+U000093C = U0000944

U000093F+U000093C = U0000962

U000090B+U000093C = U0000960

U0000940+U000093C = U0000963