## Vertical forms

## Range: FE10-FE1F

## The Unicode Standard, Version 4.1

This file contains an excerpt from the character code tables and list of character names for
The Unicode Standard, Version 4.1.
Characters in this chart that are new for The Unicode Standard, Version 4.1 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 code charts.
See http://www.unicode.org/Public/4.1.0/charts/ for a complete archived file of character code charts for Unicode 4.1.

## Disclaimer

These charts are provided as the on-line reference to the character contents of the Unicode Standard, Version 4.1 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 excerpt file, please consult the appropriate sections of The Unicode Standard, Version 4.1, at http://www.unicode.org/versions/Unicode4.1.0/, including sections unchanged in The Unicode Standard, Version 4.0 (ISBN 0-321-18578-1), as well as Unicode Standard Annexes \#9, \#11, \#14, \#15, \#24, \#29, \#31, and \#34, the other Unicode Technical Reports and Standards, and the Unicode Character Database, which are available on-line.

See http://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.

## Fonts

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See http://www.unicode.org/charts/fonts.html for a list.

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See http://www.unicode.org/pending/pending.html and http://www.unicode.org/alloc/Pipeline.html.
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These characters are compatibility characters needed to map to GB 18030.
Glyphs for vertical variants
FE10 , PRESENTATION FORM FOR VERTICAL COMMA
$\rightarrow$ FE50 , small comma $\approx<$ vertical $>002 C$,
FE11 , PRESENTATION FORM FOR VERTICAL IDEOGRAPHIC COMMA
$\rightarrow$ FE45 , sesame dot
$\rightarrow$ FE51 , small ideographic comma $\approx<$ vertical> 3001 ,
FE12 - PRESENTATION FORM FOR VERTICAL IDEOGRAPHIC FULL STOP $\approx<$ vertical $>3002$ 。
FE13 : PRESENTATION FORM FOR VERTICAL COLON
$\rightarrow$ FE55 : small colon
$\approx<$ vertical $>003 A$ :
FE14 ; PRESENTATION FORM FOR VERTICAL SEMICOLON
$\rightarrow$ FE54 ; small semicolon $\approx<$ vertical $>003 \mathrm{~B}$;
FE15 ! PRESENTATION FORM FOR VERTICAL EXCLAMATION MARK
$\rightarrow$ FE57 ! small exclamation mark $\approx<$ vertical $>0021$ !
FE16 ? PRESENTATION FORM FOR VERTICAL QUESTION MARK
$\rightarrow$ FE56 ? small question mark $\approx<$ vertical $>003 F$ ?
FE17 $\curvearrowleft$ PRESENTATION FORM FOR VERTICAL LEFT WHITE LENTICULAR BRACKET $\approx<$ vertical> 3016 【
FE18 $\triangle$ PRESENTATION FORM FOR VERTICAL RIGHT WHITE LENTICULAR BRAKCET $\approx<$ vertical $>3017$ ]
FE19 : PRESENTATION FORM FOR VERTICAL HORIZONTAL ELLIPSIS $\rightarrow$ 22EE : vertical ellipsis $\approx<$ vertical $>2026 \ldots$

