Specials
Range: FFF0–FFFF

This file contains an excerpt from the character code tables and list of character names for the Unicode Standard, last updated for
The Unicode Standard, Version 4.0.

This file may be updated as necessary to reflect errata without notice. For an up-to-date list of errata, see
http://www.unicode.org/errata/

Disclaimer

These charts are provided as the on-line reference to the character contents of the Unicode Standard, Version 4.0 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 4.0 (ISBN 0-321-18578-1), as well as Unicode Standard Annexes #9, #11, #14, #15, #24 and #29, the other Unicode Technical Reports and the Unicode Character Database, which are available on-line.

See http://www.unicode.org/Public/UNIDATA/UCD.html and http://www.unicode.org/reports/

A thorough understanding of the information contained in these additional sources is required for a successful implementation.

Fonts

The shapes of the reference glyphs used in these code charts are not prescriptive. Considerable variation is to be expected in actual fonts. The particular fonts used in these charts were provided to the Unicode Consortium by a number of different font designers, who own the rights to the fonts.

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

Terms of Use

The information in this file may be updated from time to time. The Unicode Consortium is not liable for errors or omissions in this excerpt file or the standard itself. Information on characters added to the Unicode Standard since the publication of Version 4.0 as well as on characters currently being considered for addition to the Unicode Standard can be found on the Unicode web site.

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

	FFF
0	
1	
2	
3	
4	
5	
6	
7	
8	
9	[I A A] FFF9
A	[I A S] FFFA
B	[I A T] FFFB
C	[OBJ] FFFC
D	◆? FFFD
E	■ FFFE
F	■ FFFF

Interlinear annotation

Used internally for Japanese Ruby (furigana), etc.

FFF9　⌞I̅A̅A̅⌝　INTERLINEAR ANNOTATION ANCHOR
- marks start of annotated text

FFFA　⌞I̅A̅S̅⌝　INTERLINEAR ANNOTATION SEPARATOR
- marks start of annotating character(s)

FFFB　⌞I̅A̅T̅⌝　INTERLINEAR ANNOTATION TERMINATOR
- marks end of annotation block

Replacement characters

FFFC　[OBJ]　OBJECT REPLACEMENT CHARACTER
- used as placeholder in text for an otherwise unspecified object

FFFD　◆　REPLACEMENT CHARACTER
- used to replace an incoming character whose value is unknown or unrepresentable in Unicode
- compare the use of 001A [SUB] as a control character to indicate the substitute function

Noncharacters

These codes are intended for process internal uses, but are not permitted for interchange.

FFFE　■　<not a character>
- the value FFFE ■ is guaranteed not to be a Unicode character at all
- may be used to detect byte order by contrast with FEFF [ZWN BSP] which is a character
- → FEFF [ZWN BSP] zero width no-break space

FFFF　■　<not a character>
- the value FFFF ■ is guaranteed not to be a Unicode character at all