

# Quivira 3.4 – Private Use Area

The Private Use Area consists of 6,400 Codepoints which will never be assigned to any characters in the Unicode Standard. They are meant to be used for own characters in individual fonts.

The character names used in this documents are own inventions and not standardised in any way. The regular names of these characters according to Unicode are “PRIVATE USE CHARACTER-” followed by the codepoint of each character, i.e. they range from “PRIVATE USE CHARACTER-E000” to “PRIVATE USE CHARACTER-F8FF”. Accordingly, the blocks and their names are also self-invented. These names always start with “Private Use Area:” to make sure that they can never collide with a real Unicode block.

For a complete overview of all characters in Quivira see [Quivira.pdf](#); for meanings and usage of characters in other blocks see <http://www.unicode.org>.

## Private Use Area: Playing Card Symbols (0E000 – 0E00F)

10 characters since version 1.2

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0E00	♠	♣	♥	🔔	🛡	🌹	♠	♣	♣	♣						

These characters represent the card suits of German, Suisse and Spanish playing cards. The symbols for the French suits are found in the Miscellaneous Symbols Block:

- 02660 ♠ *BLACK SPADE SUIT*
- 02661 ♥ *WHITE HEART SUIT*
- 02662 ♦ *WHITE DIAMOND SUIT*
- 02663 ♣ *BLACK CLUB SUIT*
- 02664 ♠ *WHITE SPADE SUIT*
- 02665 ♥ *BLACK HEART SUIT*
- 02666 ♦ *BLACK DIAMOND SUIT*
- 02667 ♣ *WHITE CLUB SUIT*

- 0E000 ♠ German Playing Card Symbol Acorns
  - “Eichel” in German
- 0E001 ♣ German Playing Card Symbol Leaves
  - “Grün” or “Blatt” in German
- 0E002 ♥ German Playing Card Symbol Hearts
  - “Rot” or “Herz” in German
- 0E003 🔔 German Playing Card Symbol Bells
  - “Schellen” in German
- 0E004 🛡 Swiss Playing Card Symbol Shields
  - “Schilten” in Swiss German
- 0E005 🌹 Swiss Playing Card Symbol Roses
  - “Rosen” in Swiss German

- 0E006 ♣ Spanish Playing Card Symbol Clubs
  - “Bastos” in Spanish, “Bastoni” in Italian
- 0E007 ⚔ Spanish Playing Card Symbol Swords
  - “Espadas” in Spanish, “Espade” in Italian
- 0E008 🍷 Spanish Playing Card Symbol Cups
  - “Copas” in Spanish, “Coppe” in Italian
- 0E009 🍀 Spanish Playing Card Symbol Coins
  - “Oros” in Spanish, “Denari” in Italian

## Private Use Area: Chess Symbols Supplement (0E010 – 0E04F)

64 characters since version 1.6







	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
<b>0E01</b>	♙	♚	♛	♜	♝	♞	♟	♠	♡	♢	♣	♤	♥	♦	♧	♨
<b>0E02</b>	♙	♚	♛	♜	♝	♞	♟	♠	♡	♢	♣	♤	♥	♦	♧	♨
<b>0E03</b>	♙	♚	♛	♜	♝	♞	♟	♠	♡	♢	♣	♤	♥	♦	♧	♨
<b>0E04</b>	♙	♚	♛	♜	♝	♞	♟	♠	♡	♢	♣	♤	♥	♦	♧	♨

These characters represent pieces used in variants of chess, namely Xiangqi (Chinese chess), Janggi (Korean chess), Shatranj, Tamerlane Chess and Japanese Shogi. All characters are western-styled to match those in the Miscellaneous Symbols block, although variants using ideographs are more common in East Asia. See <http://www.chessvariants.com> for details.































- 02616 ♖ *WHITE SHOGI PIECE*
- 02617 ♗ *BLACK SHOGI PIECE*
- 02654 ♚ *WHITE CHESS KING*  
     ≡ *Korean General* ≡ *Japanese Jeweled General*
- 02655 ♛ *WHITE CHESS QUEEN*
- 02656 ♜ *WHITE CHESS ROOK*  
     ≡ *Chinese Chariot* ≡ *Korean Chariot*
- 02657 ♝ *WHITE CHESS BISHOP*
- 02658 ♞ *WHITE CHESS KNIGHT*  
     ≡ *Korean Horse* ≡ *Japanese Honorable Horse*
- 02659 ♟ *WHITE CHESS PAWN*
- 0265A ♚ *BLACK CHESS KING*
- 0265B ♛ *BLACK CHESS QUEEN*
- 0265C ♜ *BLACK CHESS ROOK*
- 0265D ♝ *BLACK CHESS BISHOP*
- 0265E ♞ *BLACK CHESS KNIGHT*
- 0265F ♟ *BLACK CHESS PAWN*
- 026C9 ♖ *TURNED WHITE SHOGI PIECE*
- 026CA ♗ *TURNED BLACK SHOGI PIECE*

### General Asian Extensions

- 0E010 ♘ White Chess Elephant
- 0E011 ♙ Black Chess Elephant
  - Chinese, Korean, Chaturanga, Shatranj, Tamerlane

0E012		White Chess Mandarin
0E013		Black Chess Mandarin • Chinese ≡ Korean Guard ≡ Chaturanga Counselor
0E014		White Chess Cannon
0E015		Black Chess Cannon • Chinese, Korean
0E016		White Chess Chinese Pawn
0E017		Black Chess Chinese Pawn • Chinese, Korean, Japanese ≡ Soldier

### Persian Extensions (Shatranj and Tamerlane Chess)

0E018		White Chess General
0E019		Black Chess General ≡ Historical Ferz
0E01A		White Chess Vizier
0E01B		Black Chess Vizier
0E01C		White Chess Giraffe
0E01D		Black Chess Giraffe
0E01E		White Chess Picket
0E01F		Black Chess Picket
0E020		White Chess Camel
0E021		Black Chess Camel
0E022		White Chess War Engine
0E023		Black Chess War Engine
0E024		White Chess Pawn Of Pawns
0E025		Black Chess Pawn Of Pawns
0E026		White Chess Pawn Of War Engines
0E027		Black Chess Pawn Of War Engines
0E028		White Chess Pawn Of Camels
0E029		Black Chess Pawn Of Camels
0E02A		White Chess Pawn Of Elephants
0E02B		Black Chess Pawn Of Elephants
0E02C		White Chess Pawn Of Generals
0E02D		Black Chess Pawn Of Generals
0E02E		White Chess Pawn Of Kings
0E02F		Black Chess Pawn Of Kings
0E030		White Chess Pawn Of Viziers
0E031		Black Chess Pawn Of Viziers
0E032		White Chess Pawn Of Giraffes
0E033		Black Chess Pawn Of Giraffes
0E034		White Chess Pawn Of Pickets
0E035		Black Chess Pawn Of Pickets



## Mathematical Operators

0E050	≐	Shall Be Equal To
0E051	≠	Shall Be Not Equal To
0E052	≠	Shall Be Less Than
0E053	≠	Shall Be Greater Than
0E054	≦	Shall Be Less Than Or Equal To
0E055	≧	Shall Be Greater Than Or Equal To

## Symbol

0E056	@	Electronic Symbol	• @Mail, @Business, @Commerce, ...
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## License Symbols

→ 000A9 © COPYRIGHT SIGN  
→ 000AE ® REGISTERED SIGN  
→ 02117 ℗ SOUND RECORDING COPYRIGHT

0E057	©	Copyleft Sign
0E058	©	No Copyright

## Counting Rod Number

0E059	𐍚	Counting Rod Number Five	• Can be used as a western-styled alternative to U+1D36D 𐍚 COUNTING ROD TENS DIGIT FIVE
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## License Symbol

0E05A	Ⓒ	Public Domain
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







## Window Symbols

0E05B	—	Minimize
0E05C	□	Maximize
0E05D	▣	Original Size
0E05E	✕	Close
0E05F	?	Help




## Multimedia Symbols

0E060	👁	Eye	• Visual Media
0E061	👂	(reserved)	• Has been used for 👂 in previous versions of Quivira → 1F442 👂 EAR
0E062	🔊	Symbol For Greater Volume	
0E063	🔇	Symbol For Lesser Volume	
0E064	🔇	Symbol For Mute	
0E065	🔇	Symbol For Sound Turned Off	

## Various Symbols





































































- 0E066  (reserved)  
 • Has been used for  in previous versions of Quivira  
 → 1F512  LOCK
- 0E067  (reserved)  
 • Has been used for  in previous versions of Quivira  
 → 1F513  OPEN LOCK
- 0E068  (reserved)  
 • Has been used for  in previous versions of Quivira  
 → 1F50E  RIGHT-POINTING MAGNIFYING GLASS
- 0E069  (reserved)  
 • Has been used for  in previous versions of Quivira  
 → 1F503  CLOCKWISE DOWNWARDS AND UPWARDS OPEN CIRCLE ARROWS

## Danger Symbols






- 0E070  Explosive  
 • E
- 0E071  Highly Flammable Or Extremely Flammable  
 • F or F+
- 0E072  Oxidizing  
 • O
- 0E073  Toxic Or Very Toxic  
 • T or T+
- 0E074  Irritant Or Harmful  
 • Xi or Xn
- 0E075  Corrosive  
 • C
- 0E076  Dangerous For The Environment  
 • N















## Private Use Area: Laundry Symbols (0E100 – 0E13F)

64 characters since version 3.0






	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	
0E10																	
0E11																	
0E12																	
0E13																	

## Wash















- 0E100  Laundry Symbol Machine Wash
- 0E101  Laundry Symbol 95°C Wash
- 0E102  Laundry Symbol 70°C Wash
- 0E103  Laundry Symbol 60°C Wash
- 0E104  Laundry Symbol 50°C Wash

- 0E105  Laundry Symbol 40°C Wash
- 0E106  Laundry Symbol 30°C Wash
- 0E107  Laundry Symbol Boiling Wash
- 0E108  Laundry Symbol Extremely Hot Wash
- 0E109  Laundry Symbol Very Hot Wash
- 0E10A  Laundry Symbol Hot Wash
- 0E10B  Laundry Symbol Warm Wash
- 0E10C  Laundry Symbol Cool Wash
- 0E10D  Laundry Symbol Hand Wash
- 0E10E  Laundry Symbol 40°C Hand Wash
- 0E10F  Laundry Symbol 30°C Hand Wash
- 0E110  Laundry Symbol Warm Hand Wash
- 0E111  Laundry Symbol Cool Hand Wash
- 0E112  Laundry Symbol Do Not Wash

### **Bleach**

- 0E113  Laundry Symbol Any Bleach
- 0E114  Laundry Symbol Oxygen Bleach
- 0E115  Laundry Symbol Chlorine Bleach
- 0E116  Laundry Symbol Do Not Bleach
- 0E117  Laundry Symbol Do Not Bleach Old Version





### **Dry**

- 0E118  Laundry Symbol Tumble Dry
- 0E119  Laundry Symbol Tumble Dry High Heat
- 0E11A  Laundry Symbol Tumble Dry Medium Heat
- 0E11B  Laundry Symbol Tumble Dry Low Heat
- 0E11C  Laundry Symbol Tumble Dry No Heat
- 0E11D  Laundry Symbol Do Not Tumble Dry
- 0E11E  Laundry Symbol Line Dry
- 0E11F  Laundry Symbol Drip Dry
- 0E120  Laundry Symbol Dry Flat
- 0E121  Laundry Symbol Dry In Shade
- 0E122  Laundry Symbol Line Dry In Shade
- 0E123  Laundry Symbol Drip Dry In Shade
- 0E124  Laundry Symbol Dry Flat In Shade
- 0E125  Laundry Symbol Do Not Dry

### **Wring**

- 0E126  Laundry Symbol Do Not Wring


### **Iron**


- 0E127  Laundry Symbol Iron
- 0E128  Laundry Symbol Hot Iron
- 0E129  Laundry Symbol Medium Iron
- 0E12A  Laundry Symbol Low Iron


0E12B  Laundry Symbol Do Not Steam


0E12C  Laundry Symbol Do Not Iron


### Dryclean


0E12D  Laundry Symbol Dryclean

0E12E  Laundry Symbol Dryclean Any Solvent

0E12F  Laundry Symbol Dryclean Petroleum Solvent


0E130  Laundry Symbol Dryclean Any Solvent Except Trichloroethylene

0E131  Combining Laundry Symbol Short Cycle

0E132  Combining Laundry Symbol Reduced Moisture


0E133  Combining Laundry Symbol Low Heat

0E134  Combining Laundry Symbol No Steam


0E135  Laundry Symbol Do Not Dryclean


### Wet Cleaning

0E136  Laundry Symbol Wet Cleaning


0E137  Laundry Symbol Do Not Wet Clean

### Combining Wariness Symbols


0E138  Combining Laundry Symbol Gentle


0E139  Combining Laundry Symbol Extremely Gentle


### Temperatures


0E13A  Laundry Symbol Near Boil

0E13B  Laundry Symbol Extremely Hot

0E13C  Laundry Symbol Very Hot





















0E13D  Laundry Symbol Hot

0E13E  Laundry Symbol Warm

0E13F  Laundry Symbol Cool


## Private Use Area: Chess Symbols Extended-A (0E140 – 0E17F)

20 characters since version 3.2

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0E14																
0E15																
0E16																
0E17																

### Miscellaneous

0E140  White Chess Berolina Pawn

0E141  Black Chess Berolina Pawn  
≡ Sylph

0E142  White Chess Sergeant

0E143  Black Chess Sergeant







- 0E144  White Chess Man
- 0E145  Black Chess Man  
≡ Cleric ≡ Commoner
- 0E148  White Chess Vao
- 0E149  Black Chess Vao
- 0E14A  White Chess Windmill
- 0E14B  Black Chess Windmill
- 0E14C  White Chess Crooked Bishop
- 0E14D  Black Chess Crooked Bishop
- 0E14E  White Chess Crooked Rook
- 0E14F  Black Chess Crooked Rook

### Animals



































- 0E15E  White Chess Bird
- 0E141  Black Chess Bird

### Riders











- 0E16A  White Chess Knightrider
- 0E16B  Black Chess Knightrider
- 0E16C  White Chess Camelrider
- 0E16D  Black Chess Camelrider

## Private Use Area: Chess Symbols Extended-B (0E180 – 0E1AF)



34 characters since version 3.2























	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0E18																
0E19																
0E1A																

### Turned Pieces

- 0E180  White Chess Turned King
- 0E181  Black Chess Turned King
- 0E182  White Chess Turned Queen
- 0E183  Black Chess Turned Queen
- 0E184  White Chess Turned Rook
- 0E185  Black Chess Turned Rook
- 0E186  White Chess Turned Bishop
- 0E187  Black Chess Turned Bishop
- 0E188  White Chess Turned Knight
- 0E189  Black Chess Turned Knight

### Combined Pieces

- 0E190  White Chess Queen And Knight
- 0E191  Black Chess Queen And Knight  
≡ Amazon

0E192		White Chess Rook And Knight
0E193		Black Chess Rook And Knight ≡ Empress ≡ Marshall ≡ Chancellor
0E194		White Chess Bishop And Knight
0E195		Black Chess Bishop And Knight ≡ Princess ≡ Paladin ≡ Cardinal
0E196		White Chess War Engine And Knight
0E197		Black Chess War Engine And Knight ≡ Carpenter
0E198		White Chess Man And Knight
0E199		Black Chess Man And Knight ≡ Centaur
0E19A		White Chess Rook And Camel
0E19B		Black Chess Rook And Camel ≡ Canvasser
0E19C		White Chess Bishop And Camel
0E19D		Black Chess Bishop And Camel ≡ Caliph
0E19E		White Chess General And Camel
0E19F		Black Chess General And Camel ≡ Wizard
0E1A0		White Chess Knight And Elephant
0E1A1		Black Chess Knight And Elephant
0E1A2		White Chess Vizier And Elephant
0E1A3		Black Chess Vizier And Elephant
0E1A4		White Chess War Engine And Elephant
0E1A5		Black Chess War Engine And Elephant
0E1A6		White Chess War Engine And Bishop
0E1A7		Black Chess War Engine And Bishop

## Private Use Area: Additional Latin Supplement (0F000 – 0F00F)

4 characters since version 1.7

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0F00		ß	ſ		Ⓐ	@										

0F001    ß    Latin Small Ligature Long S S

≈ 0017F f 00073 s

0F002    ſ    Latin Small Ligature Long S Z

≈ 0017F f 0007A z

- ß and ſ were two different letters in medieval German

- both are still used as glyph variants of modern 000DF ß which is a compromise from both forms

0F004    Ⓐ    Latin Capital Letter At

0F005    @    Latin Small Letter At

- Koalib (spoken in Sudan)

## Private Use Area: Combining Subscripts (0F210 – 0F21F)

15 characters since version 2.4

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0F21	0	1	2	3	4	5	6	7	8	9	+	-	=	(	)	

Each Combining Subscript digit fits exactly under a superscript digit. The Combining Subscripts may be used for chemical symbols, e.g.  ${}^1\text{H}$  or  ${}^{238}_{92}\text{U}$ , or for mathematical purposes. If you can achieve this by using markup, then markup is the preferred way.

0F210	0	Combining Subscript Zero
0F211	1	Combining Subscript One
0F212	2	Combining Subscript Two
0F213	3	Combining Subscript Three
0F214	4	Combining Subscript Four
0F215	5	Combining Subscript Five
0F216	6	Combining Subscript Six
0F217	7	Combining Subscript Seven
0F218	8	Combining Subscript Eight
0F219	9	Combining Subscript Nine
0F21A	+	Combining Subscript Plus Sign
0F21B	-	Combining Subscript Minus
0F21C	=	Combining Subscript Equals Sign
0F21D	(	Combining Subscript Left Parenthesis
0F21E	)	Combining Subscript Right Parenthesis

## Private Use Area: Partially Enclosed Alphanumerics (0F220 – 0F27F)

91 characters since version 2.0

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0F22	⓪	①	②	③	④	⑤	⑥	⑦	⑧	⑨	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ
0F23	ⓐ	ⓑ	ⓒ	ⓓ	ⓔ	ⓕ	ⓖ	ⓗ	ⓘ	ⓙ	ⓚ	ⓛ	ⓜ	ⓝ	ⓞ	ⓟ
0F24	ⓠ	ⓡ	ⓢ	ⓣ	⓵	⓶	⓷	⓸	⓹	⓺	⓻	⓼	⓽	⓾	⓿	⓿
0F25	Ⓚ	Ⓛ	Ⓜ	Ⓨ	Ⓩ	ⓐ	ⓑ	ⓒ	ⓓ	ⓔ	ⓕ	ⓖ	ⓗ	ⓘ	ⓙ	ⓚ
0F26	Ⓦ	Ⓧ	Ⓨ	Ⓩ	ⓐ	ⓑ	ⓒ	ⓓ	ⓔ	ⓕ	ⓖ	ⓗ	ⓘ	ⓙ	ⓚ	ⓛ
0F27	Ⓧ	Ⓨ	Ⓩ	ⓐ						ⓕ	ⓖ	ⓗ	ⓘ	ⓙ	ⓚ	ⓛ

One left half and one right half form a circled number together. They can be extended to any higher number than ⑨ by using the middle parts. For other enclosed alphanumerics see the “Enclosed Alphanumerics”, “Dingbats”, “Enclosed CJK Letters and Months” and “Enclosed Alphanumeric Supplement” Blocks.

### Left Half Circles

0F220	⓪	Left Half Circled Digit Zero
0F221	①	Left Half Circled Digit One
0F222	②	Left Half Circled Digit Two
0F223	③	Left Half Circled Digit Three
0F224	④	Left Half Circled Digit Four

0F225	Ⓔ	Left Half Circled Digit Five
0F226	Ⓕ	Left Half Circled Digit Six
0F227	Ⓖ	Left Half Circled Digit Seven
0F228	Ⓖ	Left Half Circled Digit Eight
0F229	Ⓖ	Left Half Circled Digit Nine
0F22A	Ⓐ	Left Half Circled Latin Capital Letter A
0F22B	Ⓑ	Left Half Circled Latin Capital Letter B
0F22C	Ⓒ	Left Half Circled Latin Capital Letter C
0F22D	Ⓓ	Left Half Circled Latin Capital Letter D
0F22E	Ⓔ	Left Half Circled Latin Capital Letter E
0F22F	Ⓕ	Left Half Circled Latin Capital Letter F
0F230	Ⓖ	Left Half Circled Latin Capital Letter G
0F231	Ⓖ	Left Half Circled Latin Capital Letter H
0F232	Ⓖ	Left Half Circled Latin Capital Letter I
0F233	Ⓖ	Left Half Circled Latin Capital Letter J
0F234	Ⓖ	Left Half Circled Latin Capital Letter K
0F235	Ⓖ	Left Half Circled Latin Capital Letter L
0F236	Ⓖ	Left Half Circled Latin Capital Letter M
0F237	Ⓖ	Left Half Circled Latin Capital Letter N
0F238	Ⓖ	Left Half Circled Latin Capital Letter O
0F239	Ⓖ	Left Half Circled Latin Capital Letter P
0F23A	Ⓖ	Left Half Circled Latin Capital Letter Q
0F23B	Ⓖ	Left Half Circled Latin Capital Letter R
0F23C	Ⓖ	Left Half Circled Latin Capital Letter S
0F23D	Ⓖ	Left Half Circled Latin Capital Letter T
0F23E	Ⓖ	Left Half Circled Latin Capital Letter U
0F23F	Ⓖ	Left Half Circled Latin Capital Letter V
0F240	Ⓖ	Left Half Circled Latin Capital Letter W
0F241	Ⓖ	Left Half Circled Latin Capital Letter X
0F242	Ⓖ	Left Half Circled Latin Capital Letter Y
0F243	Ⓖ	Left Half Circled Latin Capital Letter Z

### Middle Pieces

0F244	̄0	Middle Piece Digit Zero
0F245	̄1	Middle Piece Digit One
0F246	̄2	Middle Piece Digit Two
0F247	̄3	Middle Piece Digit Three
0F248	̄4	Middle Piece Digit Four
0F249	̄5	Middle Piece Digit Five
0F24A	̄6	Middle Piece Digit Six
0F24B	̄7	Middle Piece Digit Seven
0F24C	̄8	Middle Piece Digit Eight
0F24D	̄9	Middle Piece Digit Nine
0F24E	̄,	Middle Piece Comma

0F24F     ∷     Middle Piece Period

## Right Half Circles

0F250	⓪	Right Half Circled Digit Zero
0F251	①	Right Half Circled Digit One
0F252	②	Right Half Circled Digit Two
0F253	③	Right Half Circled Digit Three
0F254	④	Right Half Circled Digit Four
0F255	⑤	Right Half Circled Digit Five
0F256	⑥	Right Half Circled Digit Six
0F257	⑦	Right Half Circled Digit Seven
0F258	⑧	Right Half Circled Digit Eight
0F259	⑨	Right Half Circled Digit Nine
0F25A	ⓐ	Right Half Circled Latin Small Letter A
0F25B	ⓑ	Right Half Circled Latin Small Letter B
0F25C	ⓒ	Right Half Circled Latin Small Letter C
0F25D	ⓓ	Right Half Circled Latin Small Letter D
0F25E	ⓔ	Right Half Circled Latin Small Letter E
0F25F	ⓕ	Right Half Circled Latin Small Letter F
0F260	ⓖ	Right Half Circled Latin Small Letter G
0F261	ⓗ	Right Half Circled Latin Small Letter H
0F262	ⓓ	Right Half Circled Latin Small Letter I
0F263	ⓙ	Right Half Circled Latin Small Letter J
0F264	ⓚ	Right Half Circled Latin Small Letter K
0F265	ⓛ	Right Half Circled Latin Small Letter L
0F266	ⓜ	Right Half Circled Latin Small Letter M
0F267	ⓝ	Right Half Circled Latin Small Letter N
0F268	ⓞ	Right Half Circled Latin Small Letter O
0F269	ⓟ	Right Half Circled Latin Small Letter P
0F26A	ⓠ	Right Half Circled Latin Small Letter Q
0F26B	ⓡ	Right Half Circled Latin Small Letter R
0F26C	ⓢ	Right Half Circled Latin Small Letter S
0F26D	ⓣ	Right Half Circled Latin Small Letter T
0F26E	ⓤ	Right Half Circled Latin Small Letter U
0F26F	ⓥ	Right Half Circled Latin Small Letter V
0F270	ⓦ	Right Half Circled Latin Small Letter W
0F271	ⓧ	Right Half Circled Latin Small Letter X
0F272	ⓨ	Right Half Circled Latin Small Letter Y
0F273	ⓩ	Right Half Circled Latin Small Letter Z

## Signs

0F279	⊕	Left Half Circled Plus
0F27A	⊖	Left Half Circled Minus

## Empty Circles

0F27B ○ Empty Circle

0F27C ⊙ Empty Double Circle

## Empty Pieces

0F27D ( Empty Left Half Circle

0F27E — Empty Middle Piece

0F27F ) Empty Right Half Circle

## Private Use Area: Control Pictures Supplement (0F280 – 0F2FF)

123 characters since version 3.4

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
<b>0F28</b>	<sup>P</sup> <sub>A</sub> D	<sup>H</sup> <sub>O</sub> P	<sup>B</sup> <sub>P</sub> H	<sup>N</sup> <sub>B</sub> H	<sup>I</sup> <sub>N</sub> D	<sup>N</sup> <sub>E</sub> L	<sup>S</sup> <sub>S</sub> A	<sup>E</sup> <sub>S</sub> A	<sup>H</sup> <sub>T</sub> S	<sup>H</sup> <sub>T</sub> J	<sup>V</sup> <sub>T</sub> S	<sup>P</sup> <sub>L</sub> D	<sup>P</sup> <sub>L</sub> U	<sup>R</sup> <sub>I</sub>	<sup>S</sup> <sub>S</sub> 2	<sup>S</sup> <sub>S</sub> 3
<b>0F29</b>	<sup>D</sup> <sub>C</sub> S	<sup>P</sup> <sub>U</sub> 1	<sup>P</sup> <sub>U</sub> 2	<sup>S</sup> <sub>T</sub> S	<sup>C</sup> <sub>C</sub> H	<sup>M</sup> <sub>W</sub>	<sup>S</sup> <sub>P</sub> A	<sup>E</sup> <sub>P</sub> A	<sup>S</sup> <sub>O</sub> S	<sup>S</sup> <sub>G</sub> C I	<sup>S</sup> <sub>C</sub> I	<sup>C</sup> <sub>S</sub> I	<sup>S</sup> <sub>T</sub>	<sup>O</sup> <sub>S</sub> C	<sup>P</sup> <sub>M</sub>	<sup>A</sup> <sub>P</sub> C
<b>0F2A</b>	<sup>N</sup> <sub>B</sub> S P	<sup>S</sup> <sub>H</sub> Y	<sup>C</sup> <sub>G</sub> J	<sup>S</sup> <sub>A</sub> M	<sup>N</sup> <sub>B</sub>	<sup>H</sup> <sub>C</sub> P	<sup>H</sup> <sub>J</sub> F	<sup>F</sup> <sub>V</sub> S 1	<sup>F</sup> <sub>V</sub> S 2	<sup>F</sup> <sub>V</sub> S 3	<sup>M</sup> <sub>V</sub> S	<sup>N</sup> <sub>Q</sub> S P	<sup>M</sup> <sub>Q</sub> S P	<sup>E</sup> <sub>N</sub> S P	<sup>E</sup> <sub>M</sub> S P	<sup>3</sup> <sub>M</sub> S P
<b>0F2B</b>	<sup>4</sup> <sub>M</sub> S P	<sup>6</sup> <sub>M</sub> S P	<sup>F</sup> <sub>S</sub> P	<sup>F</sup> <sub>S</sub> P	<sup>T</sup> <sub>H</sub> S P	<sup>H</sup> <sub>S</sub> P	<sup>Z</sup> <sub>W</sub> S P	<sup>Z</sup> <sub>W</sub> N J	<sup>Z</sup> <sub>W</sub> J	<sup>L</sup> <sub>R</sub> M	<sup>R</sup> <sub>L</sub> M	<sup>N</sup> <sub>B</sub> —	<sup>L</sup> <sub>S</sub> E P	<sup>P</sup> <sub>S</sub> E P	<sup>L</sup> <sub>R</sub> E	<sup>R</sup> <sub>L</sub> E
<b>0F2C</b>	<sup>P</sup> <sub>D</sub> F	<sup>L</sup> <sub>R</sub> O	<sup>R</sup> <sub>L</sub> O	<sup>N</sup> <sub>N</sub> B S P	<sup>M</sup> <sub>M</sub> S P	<sup>W</sup> <sub>J</sub>	f( )	<sup>I</sup> <sub>N</sub> V X	<sup>I</sup> <sub>N</sub> V ,	<sup>I</sup> <sub>S</sub> S	<sup>A</sup> <sub>S</sub> S	<sup>I</sup> <sub>A</sub> F S	<sup>A</sup> <sub>A</sub> F S	<sup>N</sup> <sub>A</sub> D S	<sup>N</sup> <sub>O</sub> D S	<sup>I</sup> <sub>D</sub> S P
<b>0F2D</b>	<sup>H</sup> <sub>F</sub>	<sup>V</sup> <sub>S</sub> 1	<sup>V</sup> <sub>S</sub> 2	<sup>V</sup> <sub>S</sub> 3	<sup>V</sup> <sub>S</sub> 4	<sup>V</sup> <sub>S</sub> 5	<sup>V</sup> <sub>S</sub> 6	<sup>V</sup> <sub>S</sub> 7	<sup>V</sup> <sub>S</sub> 8	<sup>V</sup> <sub>S</sub> 9	<sup>V</sup> <sub>S</sub> 10	<sup>V</sup> <sub>S</sub> 11	<sup>V</sup> <sub>S</sub> 12	<sup>V</sup> <sub>S</sub> 13	<sup>V</sup> <sub>S</sub> 14	<sup>V</sup> <sub>S</sub> 15
<b>0F2E</b>	<sup>V</sup> <sub>S</sub> 16	<sup>Z</sup> <sub>W</sub> N B S	<sup>B</sup> <sub>O</sub> M	<sup>H</sup> <sub>W</sub> H F	<sup>I</sup> <sub>A</sub>	<sup>I</sup> <sub>A</sub> S	<sup>I</sup> <sub>A</sub> T	<sup>M</sup> <sub>S</sub> N N H	<sup>M</sup> <sub>S</sub> B B	<sup>M</sup> <sub>S</sub> E B	<sup>M</sup> <sub>S</sub> B T	<sup>M</sup> <sub>S</sub> E T	<sup>M</sup> <sub>S</sub> B S	<sup>M</sup> <sub>S</sub> E S	<sup>M</sup> <sub>S</sub> B P	<sup>M</sup> <sub>S</sub> E P
<b>0F2F</b>	⊘	●	⊠	⊡	⊢	⊣	⊤	⊥	⊦	⊧	⊨	⊩	⊪	⊫	⊬	⊭

Unicode defines the symbols for the ASCII control characters in the Control Pictures Block.

These are also included in various ISO standards and in Unicode. This supplemental block provides symbols for additional control and spacing characters from ISO 8859-1 and Unicode, and some symbols used in code charts.

## C1-Controls and Latin-1 Supplement / ISO 8859-1

0F280	<sup>P</sup> <sub>A</sub> D	Symbol For Padding Character	• Unnamed in Unicode
0F281	<sup>H</sup> <sub>O</sub> P	Symbol For High Octet Preset	• Unnamed in Unicode
0F282	<sup>B</sup> <sub>P</sub> H	Symbol For Break Permitted Here	
0F283	<sup>N</sup> <sub>B</sub> H	Symbol For No Break Here	
0F284	<sup>I</sup> <sub>N</sub> D	Symbol For Index	
0F285	<sup>N</sup> <sub>E</sub> L	Symbol For New Line	
0F286	<sup>S</sup> <sub>S</sub> A	Symbol For Start Of Seleted Area	
0F287	<sup>E</sup> <sub>S</sub> A	Symbol For End Of Seleted Area	
0F288	<sup>H</sup> <sub>T</sub> S	Symbol For Character Tabulation Set	
0F289	<sup>H</sup> <sub>T</sub> J	Symbol For Character Tabulation Set With Justification	
0F28A	<sup>V</sup> <sub>T</sub> S	Symbol For Line Tabulation Set	
0F28B	<sup>P</sup> <sub>L</sub> D	Symbol For Partial Line Forward	
0F28C	<sup>P</sup> <sub>L</sub> U	Symbol For Partial Line Backward	
0F28D	<sup>R</sup> <sub>I</sub>	Symbol For Reverse Line Feed	
0F28E	<sup>S</sup> <sub>S</sub> 2	Symbol For Single Shift Two	
0F28F	<sup>S</sup> <sub>S</sub> 3	Symbol For Single Shift Three	

0F290	<sup>D</sup> <sub>C</sub> <sub>S</sub>	Symbol For Device Control String
0F291	<sup>P</sup> <sub>U</sub> <sub>1</sub>	Symbol For Private Use One
0F292	<sup>P</sup> <sub>U</sub> <sub>2</sub>	Symbol For Private Use Two
0F293	<sup>S</sup> <sub>T</sub> <sub>S</sub>	Symbol For Set Transmit State
0F294	<sup>C</sup> <sub>H</sub>	Symbol For Cancel Character
0F295	<sup>M</sup> <sub>W</sub>	Symbol For Message Waiting
0F296	<sup>S</sup> <sub>P</sub> <sub>A</sub>	Symbol For Start Of Guarded Area
0F297	<sup>E</sup> <sub>P</sub> <sub>A</sub>	Symbol For End Of Guarded Area
0F298	<sup>S</sup> <sub>O</sub> <sub>S</sub>	Symbol For Start Of String
0F299	<sup>S</sup> <sub>G</sub> <sub>I</sub>	Symbol For Single Graphic Char Intro • Unnamed in Unicode
0F29A	<sup>S</sup> <sub>C</sub> <sub>I</sub>	Symbol For Single Character Introducer
0F29B	<sup>C</sup> <sub>S</sub> <sub>I</sub>	Symbol For Control Sequence Introducer
0F29C	<sup>S</sup> <sub>T</sub>	Symbol For String Terminator
0F29D	<sup>O</sup> <sub>S</sub> <sub>C</sub>	Symbol For Operating System Command
0F29E	<sup>P</sup> <sub>M</sub>	Symbol For Privacy Message
0F29F	<sup>A</sup> <sub>P</sub> <sub>C</sub>	Symbol For Application Program Command
0F2A0	<sup>NB</sup> <sub>SP</sub>	Symbol For No-Break Space
0F2A1	<sup>SHY</sup> <sub>-</sub>	Symbol For Soft Hyphen

## Combining Diacritical Marks

0F2A2 <sup>C</sup><sub>G</sub><sub>J</sub> Symbol For Combining Grapheme Joiner

## Syriac

0F2A3 <sup>S</sup><sub>A</sub><sub>M</sub> Symbol For Syriac Abbreviation Mark

## Tibetan

0F2A4 <sup>V</sup><sub>NB</sub> Symbol For Tibetan Mark Delimiter Tsheg Bstar

## Hangul Jamo

0F2A5 <sup>H</sup><sub>C</sub><sub>F</sub> Symbol For Hangul Choseong Filler

0F2A6 <sup>H</sup><sub>J</sub><sub>F</sub> Symbol For Hangul Jungseong Filler

## Mongolian

0F2A7 <sup>FV</sup><sub>S1</sub> Symbol For Mongolian Free Variation Selector One

0F2A8 <sup>FV</sup><sub>S2</sub> Symbol For Mongolian Free Variation Selector Two

0F2A9 <sup>FV</sup><sub>S3</sub> Symbol For Mongolian Free Variation Selector Three

0F2AA <sup>M</sup><sub>V</sub><sub>S</sub> Symbol For Mongolian Vowel Separator

## General Punctuation

0F2AB <sup>NQ</sup><sub>SP</sub> Symbol For En Quad

0F2AC <sup>MQ</sup><sub>SP</sub> Symbol For Em Quad

0F2AD <sup>EN</sup><sub>SP</sub> Symbol For En Space

0F2AE <sup>EM</sup><sub>SP</sub> Symbol For Em Space

0F2AF <sup>3/M</sup><sub>SP</sub> Symbol For Three-Per-Em Space

0F2B0 <sup>4/M</sup><sub>SP</sub> Symbol For Four-Per-Em Space

0F2B1 <sup>6/M</sup><sub>SP</sub> Symbol For Six-Per-Em Space

0F2B2	$F_{SP}$	Symbol For Figure Space
0F2B3	$P_{SP}$	Symbol For Punctuation Space
0F2B4	$TH_{SP}$	Symbol For Thin Space
0F2B5	$H_{SP}$	Symbol For Hair Space
0F2B6	$ZW_{SP}$	Symbol For Zero Width Space
0F2B7	$ZW_{NJ}$	Symbol For Zero Width Non-Joiner
0F2B8	$ZW_J$	Symbol For Zero Width Joiner
0F2B9	$L_{RM}$	Symbol For Left-To-Right Mark
0F2BA	$R_{LM}$	Symbol For Right-To-Left Mark
0F2BB	$NB-$	Symbol For Non-Breaking Hyphen
0F2BC	$L_{SEP}$	Symbol For Line Separator
0F2BD	$P_{SEP}$	Symbol For Paragraph Separator
0F2BE	$L_{RE}$	Symbol For Left-To-Right Embedding
0F2BF	$R_{LE}$	Symbol For Right-To-Left Embedding
0F2C0	$P_D$	Symbol For Pop Directional Formatting
0F2C1	$L_O$	Symbol For Left-To-Right Override
0F2C2	$R_O$	Symbol For Right-To-Left Override
0F2C3	$NNB_{SP}$	Symbol For Narrow No-Break Space
0F2C4	$MM_{SP}$	Symbol For Medium Mathematical Space
0F2C5	$W_J$	Symbol For Word Joiner
0F2C6	$f()$	Symbol For Function Application
0F2C7	$INV_X$	Symbol For Invisible Times
0F2C8	$INV_,$	Symbol For Invisible Separator
0F2C9	$I_{SS}$	Symbol For Inhibit Symmetric Swapping
0F2CA	$A_{SS}$	Symbol For Activate Symmetric Swapping
0F2CB	$I_{AFS}$	Symbol For Inhibit Arabic Form Shaping
0F2CC	$A_{AFS}$	Symbol For Activate Arabic Form Shaping
0F2CD	$NA_{DS}$	Symbol For National Digit Shapes
0F2CE	$NO_{DS}$	Symbol For Nominal Digit Shapes

## CJK Symbols and Punctuation

0F2CF  $ID_{SP}$  Symbol For Ideographic Space

## Hangul Compatibility Jamo

0F2D0  $H_F$  Symbol For Hangul Filler

## Variation Selectors

0F2D1	$V_{S_1}$	Symbol For Symbol For Variation Selector-1
0F2D2	$V_{S_2}$	Symbol For Symbol For Variation Selector-2
0F2D3	$V_{S_3}$	Symbol For Symbol For Variation Selector-3
0F2D4	$V_{S_4}$	Symbol For Symbol For Variation Selector-4
0F2D5	$V_{S_5}$	Symbol For Symbol For Variation Selector-5
0F2D6	$V_{S_6}$	Symbol For Symbol For Variation Selector-6
0F2D7	$V_{S_7}$	Symbol For Symbol For Variation Selector-7
0F2D8	$V_{S_8}$	Symbol For Symbol For Variation Selector-8



0F2D9	$V_{S_9}$	Symbol For Symbol For Variation Selector-9
0F2DA	$V_{S_{10}}$	Symbol For Symbol For Variation Selector-10
0F2DB	$V_{S_{11}}$	Symbol For Symbol For Variation Selector-11
0F2DC	$V_{S_{12}}$	Symbol For Symbol For Variation Selector-12
0F2DD	$V_{S_{13}}$	Symbol For Symbol For Variation Selector-13
0F2DE	$V_{S_{14}}$	Symbol For Symbol For Variation Selector-14
0F2DF	$V_{S_{15}}$	Symbol For Symbol For Variation Selector-15
0F2E0	$V_{S_{16}}$	Symbol For Symbol For Variation Selector-16

## Arabic Presentation Forms-B

0F2E1	$ZW_{NBS}$	Symbol For Zero Width No-Break Space
0F2E2	$B_{OM}$	Symbol For Byte Order Mark

- These are two different names for the same control character

## Halfwidth and Fullwidth Forms

0F2E3	$HW_{HF}$	Symbol For Halfwidth Hangul Filler
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## Specials

0F2E4	$I_{A}$	Symbol For Interlinear Annotation Anchor
0F2E5	$I_{S}$	Symbol For Interlinear Annotation Separator
0F2E6	$I_{T}$	Symbol For Interlinear Annotation Terminator

## Musical Symbols

0F2E7	$MS_{NNH}$	Symbol For Musical Symbol Null Notehead
0F2E8	$MS_{BB}$	Symbol For Musical Symbol Begin Beam
0F2E9	$MS_{EB}$	Symbol For Musical Symbol End Beam
0F2EA	$MS_{BT}$	Symbol For Musical Symbol Begin Tie
0F2EB	$MS_{ET}$	Symbol For Musical Symbol End Tie
0F2EC	$MS_{BS}$	Symbol For Musical Symbol Begin Slur
0F2ED	$MS_{ES}$	Symbol For Musical Symbol End Slur
0F2EE	$MS_{BP}$	Symbol For Musical Symbol Begin Phrase
0F2EF	$MS_{EP}$	Symbol For Musical Symbol End Phrase

## Code Chart Symbols

0F2F0	☒	Symbol For Reserved
0F2F1	●	Symbol For Not A Character
0F2F2	⎵	Symbol For Unpaired High Surrogate
0F2F3	⎴	Symbol For Unpaired High Private Use Surrogate
0F2F4	⎶	Symbol For Unpaired Low Surrogate
0F2F5	⦿	Symbol For Base Character
0F2F6	⦿	Symbol For Character Not In Font

## Unnamed Control

0F2F7	$X_{X_X}$	Symbol For Unnamed Control
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## Khmer

0F2F8	⎵	Symbol For Khmer Sign Coeng
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## General Punctuation

0F2F9 <sup>INV</sup>⊕ Symbol For Invisible Plus

## Tifinagh

0F2FA <sup>TFN</sup><sub>CJ</sub> Symbol For Tifinagh Consonant Joiner

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