

## **Title: Draft new repertoire for ISO/IEC 10646:2012 3rd edition**

**Date: 2010-09-08**

**L2/10-342 WG2/N3890**

Source: Michel Suignard

Status: project editor

Action: For review by WG2 and UTC experts

Distribution: WG2 and UTC

### **Status**

This document is intended to support the process of synchronization between the Unicode Standard and ISO/IEC 10646. It may be used by WG2 delegates interested in the results of the review of the ballot document and other pending character proposals by the Unicode Technical Committee (UTC). In this version of the document, the names and code positions are shown as currently approved by UTC for future versions of the Unicode Standard or as submitted in ballot comments and character encoding proposals. It is not a summary of WG2 decisions -- that document will be released at the end of the WG2 meeting.

Some of the characters that were not part of the CD ISO/IEC 10646 3rd edition and still shown in this document may be postponed to a future amendment, pending WG2 decision.

### **Manner of Presentation**

The character names and code points shown are the same for Unicode and ISO/IEC 10646, including annotations.

In this document, the new characters are not shown in the context of the existing characters. The existing characters will be shown in the final ballot document or character names list. The occasional use of the word <reserved> in this draft is an artifact of the production process and should be ignored.

Information about the status of a character proposal in WG2 and UTC as well as other information about the proposal is presented in a marginal note. Where a proposal refers to characters that are not in a single range, the information is repeated as necessary. A series of \$\$\$\$ indicates the presence of an issue that needs to be resolved as part of synchronization. The WG2 document number for all proposals has been provided for reference, as well as the UTC document number.

### **Note to Reviewers**

WG2 Reviewers, please use this document as an aid during disposition of ballot comments.

*Despite best efforts there may be minor discrepancies in this document, particularly in terms of this summary and the status information printed in the margins.*

### **Contents**

*This document lists 734 characters.*

The following list shows all 31 blocks (existing or new) to which characters are proposed to be added, or which have been affected by other changes documented here.

#### **0530-058F Armenian**

See document L2/10-08 N3771

#### **0600-06FF Arabic**

See document L2/09-144 N3734 N3791

#### **08A0-08FF Arabic Extended-A**

See document L2/09-419 N3791 N3816

#### **0A80-0AFF Gujarati**

See document L2/09-330 L2/09-331 N3764

#### **10A0-10FF Georgian**

See document L2/10-072, N3775

#### **1B80-1BBF Sundanese**

See document L2/09-251, N3666

#### **1BC0-1BFF Batak**

See document L2/08-011, N3320

#### **1CC0-1CCF Sundanese Supplement**

See document N3666, L2/09-251

#### **1CD0-1CFF Vedic Extensions**

See document N3844 N3861 N3881, L2/09-344 L2/10-234 L2/10-257

#### **20A0-20CF Currency Symbols**

See document L2/10-249 L2/10-251 L2/10-258, N3862R

#### **27C0-27EF Miscellaneous Mathematical Symbols-A**

See document L2/09-397, N3763

**2C80-2CFF Coptic**

See document L2/10-290, N3873

**2D00-2D2F Georgian Supplement**

See document L2/10-072, N3775

**2D30-2D7F Tifinagh**

See document L2/10-270 N3870

**2E00-2E7F Supplemental Punctuation**

See document L2/09-240 L2/09-425, N3664 N3740 N3770

**4E00-9FFF CJK Unified Ideographs**

See document L2/10-228 N3885

**A640-A69F Cyrillic Extended-B**

See document L2/10-02, N3748

**A720-A7FF Latin Extended-D**

See document N3567 N3840 N3846, L2/10-166 L2/10-161

**AAE0-AAFF Meetei Mayek Extensions**

See document L2/08-239R, N3478

**F900-FAFF CJK Compatibility Ideographs**

See document N3747

**10980-1099F Meroitic Hieroglyphs**

See document L2/09-250, N3665

**109A0-109FF Meroitic Cursive**

See document L2/09-250, N3665

**110D0-110FF Sora Sompeng**

See document L2/09-0189R, N3674R

**11100-1114F Chakma**

See document L2/09-0187R2, N3645R2

**11180-111DF Sharada**

See document L2/09-074R2, N3595R2

**11680-116CF Takri**

See document L2/09-424, N3758

**16F00-16F9F Miao**

See document L2/10-049 L2/10-093 L2/10-302, N3761 N3789 N3877

**1EE00-1EEFF Arabic Mathematical Alphabetical Symbols**

See document N3799

**1F100-1F1FF Enclosed Alphanumeric Supplement**


See document L2/10-079 N3860

**1F300-1F5FF Miscellaneous Symbols and Pictographs**

See document L2/09-310R N3772

**1F600-1F64F Emoticons**


See document N3790

	053	054	055	056	057	058
0						
1						
2						
3						
4						
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6						
7						
8						
9						
A						
B						
C						
D						
E						
F						 058F

**Currency symbol**

058F ֏ ARMENIAN DRAM SIGN





UTC: 2010-02-04  
WG2: 2010-04-22  
contact: Karl Pentzlin  
document: L2/10-08  
NS771  
font: Uni0530Armenian  
target: 3rd edition

	060	061	062	063	064	065	066	067	068	069	06A	06B	06C	06D	06E	06F
0																
1																
2																
3																
4	 0604															
5																
6																
7																
8																
9																
A																
B																
C																
D																
E																
F																

**Subtending marks**

0604  ARABIC SIGN SAMVAT

UTC: 2009-11-06  
WG2: 2010-04-22  
contact: Anshuman  
Pandey  
document: L2/09-144  
N3734  
font:  
Uni0600Arabicdecotype  
target: 3rd edition

	08A	08B	08C	08D	08E	08F
0						 08F0
1						 08F1
2						 08F2
3						 08F3
4						
5						
6						
7						
8						
9						
A						
B						
C						
D						
E						
F						

**Koranic annotation signs**

08F0	◌َ	ARABIC OPEN FATHATAN = successive fathatan
08F1	◌ِ	ARABIC OPEN DAMMATAN = successive dammatan
08F2	◌ِ	ARABIC OPEN KASRATAN = successive kasratan
08F3	◌ُ	ARABIC SMALL HIGH WAW

UTC: 2009-11-06  
 WG2: 2009-04-22  
 contact: Roozbeh  
 Poumader  
 document: L2/09-419  
 N3791 N3816  
 font:  
 Uni0600Arabicdecolype  
 target: 3rd edition



	0A8	0A9	0AA	0AB	0AC	0AD	0AE	0AF
0								○ 0AF0
1								
2								
3								
4								
5								
6								
7								
8								
9								
A								
B								
C								
D								
E								
F								

**Sign**






૦૫૦ ◦ GUJARATI ABBREVIATION SIGN

UTC: 2010-02-05  
WG2: 2010-04-22  
contact: Anshuman  
Pandey  
document: L2/09-330  
L2/09-331 N3764  
font: Uni0F80Gujarati  
target: 3rd edition

	10A	10B	10C	10D	10E	10F
0						
1						
2						
3						
4						
5						
6						
7			ზ 10C7			
8						
9						
A						
B						
C						
D			ზ 10CD			ს 10FD
E						ო 10FE
F						ო 10FF

UTC: 2010-05-19  
 WG2: 2010-04-22  
 contact: Michael Everson  
 document: L2/10-072  
 NS3775  
 font: Uni10A0Georgian  
 target: 3rd edition

### Additional letters for Ossetian

10C7 Ⴢ GEORGIAN CAPITAL LETTER YN  
 10C8  <reserved>  
 10C9  <reserved>  
 10CA  <reserved>  
 10CB  <reserved>  
 10CC  <reserved>  
 10CD ზ GEORGIAN CAPITAL LETTER AEN

### Additional letters for Ossetian and Abkhaz

10FD Ⴑ GEORGIAN LETTER AEN  
 10FE Ⴐ GEORGIAN LETTER HARD SIGN  
 10FF Ⴑ GEORGIAN LETTER LABIAL SIGN

	1B8	1B9	1BA	1BB
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
A				ꦗ 1BBA
B			ꦛ	ꦗꦫ 1BBB
C			ꦛꦩ	ꦗꦫꦭꦶ 1BBC
D			ꦛꦮ	ꦗꦫꦭꦶꦩ 1BBD
E				ꦗꦫꦭꦶꦏ 1BBE
F				ꦗꦫꦭꦶꦩ 1BBF

**Virama**

1BAB  SUNDANESE SIGN VIRAMA  
 • forms conjuncts in older orthography

**Consonant signs**

1BAC  SUNDANESE CONSONANT SIGN PASANGAN MA  
 = subjoined ma

1BAD  SUNDANESE CONSONANT SIGN PASANGAN WA  
 = subjoined wa

**Sign**

1BBA ꦗ SUNDANESE AVAGRAHA

**Historic letters**

1BBB ꦗꦫ SUNDANESE LETTER REU  
 • vocalic r


1BBC ꦗꦫꦭꦶ SUNDANESE LETTER LEU  
 • vocalic l

1BBD ꦗꦫꦭꦶꦩ SUNDANESE LETTER BHA



1BBE ꦗꦫꦭꦶꦏ SUNDANESE LETTER FINAL K

1BBF ꦗꦫꦭꦶꦩ SUNDANESE LETTER FINAL M









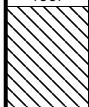
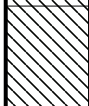
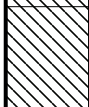
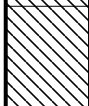
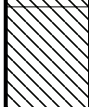
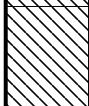
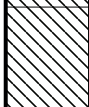
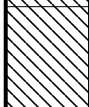
UTC: 2009-08-13  
 WG2: 2009-10-28  
 contact: Michael  
 Everson  
 document: L2/09-  
 251 N3666  
 font:  
 Uni1B80Sundane  
 se  
 target: 3rd edition

	1BC	1BD	1BE	1BF
0				
1				
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3				
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7				
8				
9				
A				☒☒☒☒☒☒ 1BFA
B				 1BFB
C				
D				
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F				









**Punctuation**

1BFA  BATAK SYMBOL BINDU GODANG  
 1BFB  BATAK SYMBOL BINDU PINARJOLMA





UTC: \$\$\$\$  
 WG2: 2008-10-28  
 WG2: 20010-04-22 removed from amdS  
 contact: Michael Everson  
 document: N3320, L2/08-011  
 font: Uni1BC0Batak  
 target: 3rd edition

	1CC
0	 1CC0
1	 1CC1
2	 1CC2
3	 1CC3
4	 1CC4
5	 1CC5
6	 1CC6
7	 1CC7
8	
9	
A	
B	
C	
D	
E	
F	

**Punctuation**

- 1CC0  SUNDANESE PUNCTUATION BINDU SURYA  
• sun
- 1CC1  SUNDANESE PUNCTUATION BINDU PANGLONG  
• half moon
- 1CC2  SUNDANESE PUNCTUATION BINDU PURNAMA  
• full moon
- 1CC3  SUNDANESE PUNCTUATION BINDU CAKRA  
• wheel
- 1CC4  SUNDANESE PUNCTUATION LEU SATANGA
- 1CC5  SUNDANESE PUNCTUATION KA SATANGA
- 1CC6  SUNDANESE PUNCTUATION DA SATANGA
- 1CC7  SUNDANESE PUNCTUATION BA SATANGA

UTC: 2009-08-13  
 WG2: 2009-10-28  
 contact: Michael  
 Everson  
 document: L2/09-  
 251 N3666  
 font:  
 Uni1B80Sundane  
 se  
 target: 3rd edition

	1CD	1CE	1CF
0			
1			
2			
3			 1CF3
4			 1CF4
5			 1CF5
6			 1CF6
7			
8			
9			
A			
B			
C			
D			
E			
F			

**Ardhavisarga**

1CF3 ○× VEDIC SIGN ROTATED ARDHAVISARGA

**Sign for Yajurvedic**

1CF4 ○ VEDIC TONE CANDRA ABOVE

**Signs**

1CF5 X VEDIC SIGN JIHVAMULIYA

1CF6 ✱ VEDIC SIGN UPADHMANIYA

UTC: 2010-05-19  
 (1CF3 1CF4)  
 WG2: \$\$\$\$  
 contact:  
 Shriramana  
 Sharma  
 document: L2/09-  
 344 L2/10-234  
 L2/10-257 N3861  
 N3844 N3881  
 font:  
 Uni1CD0Vedic  
 target: 3rd edition





	20A	20B	20C
0			
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6			
7			
8			
9		₹ 20B9	
A			
B			
C			
D			
E			
F			

**Currency symbols**

20B9 ₹ INDIAN RUPEE SIGN

- official Rupee currency sign for India
  - contrasts with script-specific Rupee signs and abbreviations
- 0930 ₹ devanagari letter ra

UTC: 2010-08-13  
 WG2: \$\$\$\$  
 contact: Michael  
 Everson  
 document: L2/10-  
 249 L2/10-251  
 L2/10-258, N3862  
 font:  
 Uni20A0Currency  
 target: 3rd edition

	27C	27D	27E
0			
1			
2			
3			
4			
5			
6			
7			
8			
9			
A			
B	 27CB		
C			
D	 27CD		
E			
F			

**Miscellaneous symbol**

27CB  $\diagup$  MATHEMATICAL RISING DIAGONAL  
 = `\diagup`  
 → 2215 / division slash

**Miscellaneous symbol**

27CD  $\diagdown$  MATHEMATICAL FALLING DIAGONAL  
 = `\diagdown`  
 → 2216 \ set minus  
 → 29F5 \ reverse solidus operator

UTC: 2009-11-5  
 WG2: 2010-04-22  
 contact: Laurentiu  
 Iancu  
 document: L2/09-  
 397\_WG2\_N3763  
 font:  
 Uni27C0Miscmath  
 symbols  
 target: 3rd edition

	2C8	2C9	2CA	2CB	2CC	2CD	2CE	2CF
0								
1								
2								ḅ 2CF2
3								ḅ 2CF3
4								
5								
6								
7								
8								
9								
A								
B								
C								
D								
E								
F								






UTC: 2010-08-13  
 WG2: \$\$\$\$  
 contact: Michael Everson  
 document: L2/10-290  
 NS373  
 font: Uni2C60Coptic  
 target: 3rd edition

### Bohairic Coptic letters

- 2CF2 ⲕ COPTIC CAPITAL LETTER BOHAIRIC KHEI  
 → 03E6 ⲕ coptic capital letter kheï
- 2CF3 ⲛ COPTIC SMALL LETTER BOHAIRIC KHEI  
 → 03E7 ⲛ coptic small letter kheï

	2D0	2D1	2D2
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4			
5			
6			
7			2 2D27
8			
9			
A			
B			
C			
D			Z 2D2D
E			
F			

**Additional letters for Ossetian**

- 2D27 2 GEORGIAN SMALL LETTER YN
- 2D28  <reserved>
- 2D29  <reserved>
- 2D2A  <reserved>
- 2D2B  <reserved>
- 2D2C  <reserved>
- 2D2D z GEORGIAN SMALL LETTER AEN

UTC: 2010-05-19  
 WG2: 2010-p4-22  
 contact: Michael  
 Everson  
 document: L2/10-  
 072 N3775  
 font:  
 Uni10A0Georgian  
 target: 3rd edition

	2D3	2D4	2D5	2D6	2D7
0					
1					
2					
3					
4					
5					
6				< 2D66	
7				-- 2D67	
8					
9					
A					
B					
C					
D					
E					
F					

UTC: 2010-05-19  
WG2: \$\$\$\$  
contact: Paul Anderson  
document: L2/10-270 N3870  
font: Uni2D30Tifinagh  
target: 3rd edition

**Letters**

2D66 < TIFINAGH LETTER YE  
2D67 -- TIFINAGH LETTER YO

	2E0	2E1	2E2	2E3	2E4	2E5	2E6	2E7
0								
1								
2				‘ 2E32				
3								
4								
5				◌ 2E35				
6				⋈ 2E36				
7				⋈ 2E37				
8				⋈ 2E38				
9				§ 2E39				
A				— 2E3A				
B				— 2E3B				
C								
D								
E								
F								



UTC: 2010-02-02  
 WG2: 2010-04-22  
 contact: Michael Everson Karl  
 Pentzlin  
 document: L2/09-240 L2/09-  
 425 L2/10-37 N3664 N3740  
 N3770  
 font:  
 Uni2E00Supplementalpunctu  
 ation  
 target: 3rd edition

**Historic punctuations**

- 2E32 ◌ TURNED COMMA
- used in Palaeotype transliteration to indicate nasalization
  - 060C ◌ arabic comma
- 2E33 ◌ <reserved>
- 2E34 ◌ <reserved>
- 2E35 ؛ TURNED SEMICOLON
- used in Palaeotype transliteration to indicate sudden glottal closure
  - 061B ؛ arabic semicolon
- 2E36 † DAGGER WITH LEFT GUARD
- used in Palaeotype transliteration to indicate retracted pronunciation
- 2E37 ‡ DAGGER WITH RIGHT GUARD
- used in Palaeotype transliteration to indicate advanced pronunciation
- 2E38 † TURNED DAGGER
- used in Palaeotype transliteration to indicate retroflex pronunciation
- 2E39 § TOP HALF SECTION SIGN
- used in Palaeotype transliteration to indicate pronunciation on one side of the mouth only

**Dashes**

- 2E3A — TWO-EM DASH
- = omission dash
  - scaled down to fit in cell
- 2E3B — THREE-EM DASH
- scaled down to fit in cell

HEX	C	J	K	V	H	HEX	C	J	K	V	H
9FB8	𠂇					9FCC	涼				
小 42.2						水 85.9					
	G9-FE6D						UTC-00867				
9FB9	𠂈										
八 12.4											
	G9-FE7E										
9FBA	𠂉										
十 24.6											
	G9-FE90										
9FBB	𠂊										
言 149.12											
	G9-FEA0										
9FBC	壻										
土 32.14											
	UTC-00836										
9FBD	煠										
火 86.11											
	UTC-00835										
9FBE	𠂋										
皮 107.8											
	UTC-00837										
9FBF	萑										
艸 140.8											
	UTC-00838										
9FC0	薺										
艸 140.18											
	UTC-00839										
9FC1	誨										
言 149.6											
	UTC-00840										
9FC2	𨇳										
車 159.11											
	UTC-00841										
9FC3	𠂌 𠂍										
目 109.7	GKX-0809.02 T4-3946										
9FC4	梁 梁										
木 75.6	TC-4A76 JARIB-754F										
9FC5	𦵑										
示 113.13	JARIB-7621										
9FC6	𦵒										
示 113.4	JARIB-757D										
9FC7					𦵓						
人 9.6					H-87C2						
9FC8					𦵔						
彳 60.4					H-87D2						
9FC9					𦵕						
彳 60.4					H-87D6						
9FCA					𦵖						
艸 140.7					H-87DA						
9FCB					𦵗						
衣 145.12					H-87DF						

	A64	A65	A66	A67	A68	A69
0						
1						
2						
3						
4				Є ⊙ A674		
5				И ⊙ A675		
6				ї ⊙ A676		
7				у ⊙ A677		
8				Ѥ ⊙ A678		
9				Ы ⊙ A679		
A				Ѧ ⊙ A67A		
B				Ѣ ⊙ A67B		
C						
D						
E						
F						Є ⊙ A69F

**Combining marks for Old Cyrillic**

A674	ѐ	COMBINING CYRILLIC LETTER UKRAINIAN IE
A675	и̑	COMBINING CYRILLIC LETTER I
A676	ѣ̑	COMBINING CYRILLIC LETTER YI
A677	у̑	COMBINING CYRILLIC LETTER U
A678	ѣ̑	COMBINING CYRILLIC LETTER HARD SIGN
A679	ѣ̑	COMBINING CYRILLIC LETTER YERU
A67A	ѣ̑	COMBINING CYRILLIC LETTER SOFT SIGN
A67B	Ѡ	COMBINING CYRILLIC LETTER OMEGA

**Combining mark for Old Cyrillic**

A69F	ѣ̑	COMBINING CYRILLIC LETTER IOTIFIED E
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UTC: 2010-02-02  
 WG2: 2010-04-22  
 contact: Michael  
 Everson, Yuri Shardt  
 document: L209-02 09-  
 310R.N3748.N3772  
 font: EverCyrillic  
 target: 3rd edition

	A72	A73	A74	A75	A76	A77	A78	A79	A7A	A7B	A7C	A7D	A7E	A7F
0														
1														
2														
3														
4														
5														
6														
7														
8													Ĥ	A7F8
9													œ	A7F9
A									Ĥ	A7AA				
B														
C														
D														
E														
F														• A7BF

UTC: 2010-05-19 (A7AA,  
A7F8-A7F9)  
WG2:2009-04-21 (A78F)  
contact: Andrew West,  
Lorna Priest, Karl  
Pentzlin  
document: N3567 N3846  
L2/10-161, L2/10-166  
font:  
UniA720Latinextendedd  
target: 3rd edition

**Transliteration letter**
























- A78F · LATIN LETTER MIDDLE DOT
- used for transliteration for Phags-Pa and phonetic transcription for Tangut
- 00B7 · middle dot

**African letter**

- A7AA Ꞥ LATIN CAPITAL LETTER H WITH HOOK
- lowercase is 0266 ꞥ
  - used in Chad

**Additions for Extended IPA**



- A7F8 ꞥ MODIFIER LETTER CAPITAL H WITH STROKE
- faucalized
- 0126 ꞥ latin capital letter h with stroke
- ≈ <super> 0126 ꞥ
- A7F9 œ MODIFIER LETTER SMALL LIGATURE OE
- labialized: open-rounded
- 0153 œ latin small ligature oe
- ≈ <super> 0153 œ

	AAE	AAF
0	 AAE0	 AAF0
1	 AAE1	 AAF1
2	 AAE2	 AAF2
3	 AAE3	 AAF3
4	 AAE4	 AAF4
5	 AAE5	 AAF5
6	 AAE6	 AAF6
7	 AAE7	
8	 AAE8	
9	 AAE9	
A	 AAEA	
B	 AAEB	
C	 AAEC	
D	 AAED	
E	 AAEE	
F	 AAEF	










The characters here are extensions for historical orthographies of Meetei and are not specified in the Manupuri Government order No. 1/2/78-SS/E.

UTC: 2009-11-06  
WG2: 2009-10-29  
contact: Michael  
Everson  
document: L2/08-  
239R N3478R  
font:  
UniABC0Meiteim  
ayek  
target: 3rd edition






#### Independent vowel signs

AAE0  MEETEI MAYEK LETTER E  
AAE1  MEETEI MAYEK LETTER O






#### Consonants

AAE2  MEETEI MAYEK LETTER CHA  
AAE3  MEETEI MAYEK LETTER NYA  
AAE4  MEETEI MAYEK LETTER TTA  
AAE5  MEETEI MAYEK LETTER TTHA  
AAE6  MEETEI MAYEK LETTER DDA  
AAE7  MEETEI MAYEK LETTER DDHA  
AAE8  MEETEI MAYEK LETTER NNA  
AAE9  MEETEI MAYEK LETTER SHA  
AAEA  MEETEI MAYEK LETTER SSA

#### Dependent vowel signs

AAEB  MEETEI MAYEK VOWEL SIGN II  
AAEC  MEETEI MAYEK VOWEL SIGN UU  
AAED  MEETEI MAYEK VOWEL SIGN AAI  
AAEE  MEETEI MAYEK VOWEL SIGN AU  
AAEF  MEETEI MAYEK VOWEL SIGN AAU

#### Punctuation

































AAF0  MEETEI MAYEK CHEIKHAN  
= danda  
AAF1  MEETEI MAYEK AHANG KHUDAM  
= question mark  
AAF2  MEETEI MAYEK ANJI  
AAF3  MEETEI MAYEK SYLLABLE REPETITION MARK  
AAF4  MEETEI MAYEK WORD REPETITION MARK

#### Various signs

AAF5  MEETEI MAYEK VOWEL SIGN VISARGA  
AAF6  MEETEI MAYEK VIRAMA  
• used to form conjuncts in historical orthographies  
→ 1039  myanmar sign virama

Korean compatibility characters	
FA2E	郎
邑 163.7	K0-522B
	≡ 90DE 郎
FA2F	隸
隶 171.8	K0-6766
	≡ 96B7 隸



	1098	1099
0	 10980	 10990
1	 10981	 10991
2	 10982	 10992
3	 10983	 10993
4	 10984	 10994
5	 10985	 10995
6	 10986	 10996
7	 10987	 10997
8	 10988	 10998
9	 10989	 10999
A	 1098A	 1099A
B	 1098B	 1099B
C	 1098C	 1099C
D	 1098D	 1099D
E	 1098E	 1099E
F	 1098F	 1099F

**Vowel letters**

- 10980  MEROITIC HIEROGLYPHIC LETTER A  
→ 13000  egyptian hieroglyph a001
- 10981  MEROITIC HIEROGLYPHIC LETTER E  
→ 13184  egyptian hieroglyph h006
- 10982  MEROITIC HIEROGLYPHIC LETTER I  
→ 1301E  egyptian hieroglyph a026
- 10983  MEROITIC HIEROGLYPHIC LETTER O  
→ 130FE  egyptian hieroglyph f001

**Consonant letters**

- 10984  MEROITIC HIEROGLYPHIC LETTER YA  
→ 131CC  egyptian hieroglyph m017a
- 10985  MEROITIC HIEROGLYPHIC LETTER WA  
→ 1336F  egyptian hieroglyph v004
- 10986  MEROITIC HIEROGLYPHIC LETTER BA  
→ 130DE  egyptian hieroglyph e011
- 10987  MEROITIC HIEROGLYPHIC LETTER BA-2  
→ 130C0  egyptian hieroglyph d058
- 10988  MEROITIC HIEROGLYPHIC LETTER PA  
→ 132AA  egyptian hieroglyph q003
- 10989  MEROITIC HIEROGLYPHIC LETTER MA  
→ 13153  egyptian hieroglyph g017
- 1098A  MEROITIC HIEROGLYPHIC LETTER NA  
→ 13216  egyptian hieroglyph n035
- 1098B  MEROITIC HIEROGLYPHIC LETTER NA-2
- 1098C  MEROITIC HIEROGLYPHIC LETTER NE  
→ 131D2  egyptian hieroglyph m022a
- 1098D  MEROITIC HIEROGLYPHIC LETTER NE-2
- 1098E  MEROITIC HIEROGLYPHIC LETTER RA  
→ 1308B  egyptian hieroglyph d021
- 1098F  MEROITIC HIEROGLYPHIC LETTER RA-2
- 10990  MEROITIC HIEROGLYPHIC LETTER LA  
→ 130ED  egyptian hieroglyph e023
- 10991  MEROITIC HIEROGLYPHIC LETTER KHA  
→ 1340D  egyptian hieroglyph aa001
- 10992  MEROITIC HIEROGLYPHIC LETTER HHA  
→ 133BC  egyptian hieroglyph w011
- 10993  MEROITIC HIEROGLYPHIC LETTER SA  
→ 131B7  egyptian hieroglyph m008
- 10994  MEROITIC HIEROGLYPHIC LETTER SA-2  
→ 13283  egyptian hieroglyph o034
- 10995  MEROITIC HIEROGLYPHIC LETTER SE  
→ 13283  egyptian hieroglyph o034
- 10996  MEROITIC HIEROGLYPHIC LETTER KA  
→ 1316C  egyptian hieroglyph g038
- 10997  MEROITIC HIEROGLYPHIC LETTER QA  
→ 1320E  egyptian hieroglyph n029
- 10998  MEROITIC HIEROGLYPHIC LETTER TA  
→ 1337F  egyptian hieroglyph v013
- 10999  MEROITIC HIEROGLYPHIC LETTER TA-2  
→ 131FE  egyptian hieroglyph n016
- 1099A  MEROITIC HIEROGLYPHIC LETTER TE  
→ 131FE  egyptian hieroglyph n016  
→ 13254  egyptian hieroglyph o004
- 1099B  MEROITIC HIEROGLYPHIC LETTER TE-2  
→ 13254  egyptian hieroglyph o004
- 1099C  MEROITIC HIEROGLYPHIC LETTER TO  
→ 13205  egyptian hieroglyph n021
- 1099D  MEROITIC HIEROGLYPHIC LETTER DA  
→ 1307B  egyptian hieroglyph d006

**Symbols**

- 1099E  MEROITIC HIEROGLYPHIC SYMBOL VIDJ  
→ 2625  ankh  
→ 132F9  egyptian hieroglyph s034
- 1099F  MEROITIC HIEROGLYPHIC SYMBOL VIDJ-2

	109A	109B	109C	109D	109E	109F
0	109A0	109B0	109C0	109D0	109E0	109F0
1	109A1	109B1	109C1	109D1	109E1	
2	109A2	109B2	109C2	109D2	109E2	
3	109A3	109B3	109C3	109D3	109E3	
4	109A4	109B4	109C4	109D4	109E4	
5	109A5	109B5	109C5	109D5	109E5	
6	109A6	109B6	109C6	109D6		
7	109A7	109B7	109C7	109D7	109E7	
8	109A8		109C8	109D8	109E8	
9	109A9		109C9	109D9	109E9	
A	109AA		109CA			
B	109AB			109DB	109EB	
C	109AC		109CC	109DC		
D	109AD		109CD			
E	109AE	109BE	109CE	109DE		
F	109AF	109BF	109CF	109DF		

**Vowel letters**

109A0	Ⲉ	MEROITIC CURSIVE LETTER A
109A1	ⲉ	MEROITIC CURSIVE LETTER E
109A2	Ⲋ	MEROITIC CURSIVE LETTER I
109A3	ⲋ	MEROITIC CURSIVE LETTER O

**Consonant letters**

109A4	Ⲍ	MEROITIC CURSIVE LETTER YA
109A5	ⲍ	MEROITIC CURSIVE LETTER WA
109A6	Ⲏ	MEROITIC CURSIVE LETTER BA
109A7	ⲏ	MEROITIC CURSIVE LETTER PA
109A8	Ⲑ	MEROITIC CURSIVE LETTER MA
109A9	ⲑ	MEROITIC CURSIVE LETTER NA
109AA	Ⲓ	MEROITIC CURSIVE LETTER NE
109AB	ⲓ	MEROITIC CURSIVE LETTER RA
109AC	Ⲕ	MEROITIC CURSIVE LETTER LA
109AD	ⲕ	MEROITIC CURSIVE LETTER KHA
109AE	Ⲗ	MEROITIC CURSIVE LETTER HHA
109AF	ⲗ	MEROITIC CURSIVE LETTER SA
109B0	Ⲙ	MEROITIC CURSIVE LETTER ARCHAIC SA
109B1	ⲙ	MEROITIC CURSIVE LETTER SE
109B2	Ⲛ	MEROITIC CURSIVE LETTER KA
109B3	ⲛ	MEROITIC CURSIVE LETTER QA
109B4	Ⲝ	MEROITIC CURSIVE LETTER TA
109B5	ⲝ	MEROITIC CURSIVE LETTER TE
109B6	Ⲟ	MEROITIC CURSIVE LETTER TO
109B7	ⲟ	MEROITIC CURSIVE LETTER DA

**Logograms**

109BE	Ⲡ	MEROITIC CURSIVE LOGOGRAM RMT
109BF	ⲡ	MEROITIC CURSIVE LOGOGRAM IMN

**Fractions**

109C0	Ⲣ	MEROITIC CURSIVE FRACTION ONE HALF
109C1	ⲣ	MEROITIC CURSIVE FRACTION ONE TWELFTH
109C2	Ⲥ	MEROITIC CURSIVE FRACTION TWO TWELFTHS
109C3	ⲥ	MEROITIC CURSIVE FRACTION THREE TWELFTHS
109C4	Ⲧ	MEROITIC CURSIVE FRACTION FOUR TWELFTHS
109C5	ⲧ	MEROITIC CURSIVE FRACTION FIVE TWELFTHS
109C6	Ⲩ	MEROITIC CURSIVE FRACTION SIX TWELFTHS
109C7	ⲩ	MEROITIC CURSIVE FRACTION SEVEN TWELFTHS
109C8	Ⲫ	MEROITIC CURSIVE FRACTION EIGHT TWELFTHS
109C9	ⲫ	MEROITIC CURSIVE FRACTION NINE TWELFTHS
109CA	Ⲭ	MEROITIC CURSIVE FRACTION TEN TWELFTHS

**Numbers****Ones**

109CC	ⲭ	MEROITIC CURSIVE NUMBER ONE
109CD	Ⲯ	MEROITIC CURSIVE NUMBER TWO
109CE	ⲯ	MEROITIC CURSIVE NUMBER THREE
109CF	Ⲱ	MEROITIC CURSIVE NUMBER FOUR
109D0	ⲱ	MEROITIC CURSIVE NUMBER FIVE
109D1	Ⲳ	MEROITIC CURSIVE NUMBER SIX
109D2	ⲳ	MEROITIC CURSIVE NUMBER SEVEN
109D3	Ⲵ	MEROITIC CURSIVE NUMBER EIGHT
109D4	ⲵ	MEROITIC CURSIVE NUMBER NINE

**Tens**

109D5	Ⲷ	MEROITIC CURSIVE NUMBER TEN
109D6	ⲷ	MEROITIC CURSIVE NUMBER TWENTY
109D7	Ⲹ	MEROITIC CURSIVE NUMBER THIRTY

109D8	ⲹ	MEROITIC CURSIVE NUMBER FORTY
109D9	Ⲻ	MEROITIC CURSIVE NUMBER FIFTY
109DA	ⲻ	<reserved>
109DB	Ⲽ	MEROITIC CURSIVE NUMBER SEVENTY
109DC	ⲽ	MEROITIC CURSIVE NUMBER EIGHTY

**Hundreds**

109DE	Ⲿ	MEROITIC CURSIVE NUMBER ONE HUNDRED
109DF	ⲿ	MEROITIC CURSIVE NUMBER TWO HUNDRED
109E0	Ⲁ	MEROITIC CURSIVE NUMBER THREE HUNDRED
109E1	ⲁ	MEROITIC CURSIVE NUMBER FOUR HUNDRED
109E2	Ⲃ	MEROITIC CURSIVE NUMBER FIVE HUNDRED
109E3	ⲃ	MEROITIC CURSIVE NUMBER SIX HUNDRED
109E4	Ⲅ	MEROITIC CURSIVE NUMBER SEVEN HUNDRED
109E5	ⲅ	MEROITIC CURSIVE NUMBER EIGHT HUNDRED

**Thousands**

109E7	ⲇ	MEROITIC CURSIVE NUMBER ONE THOUSAND
109E8	Ⲉ	MEROITIC CURSIVE NUMBER TWO THOUSAND
109E9	ⲉ	MEROITIC CURSIVE NUMBER THREE THOUSAND
109EA	Ⲇ	<reserved>
109EB	ⲇ	MEROITIC CURSIVE NUMBER FIVE THOUSAND
109EC	Ⲉ	<reserved>
109ED	ⲉ	<reserved>
109EE	Ⲇ	<reserved>
109EF	ⲇ	<reserved>
109F0	Ⲉ	MEROITIC CURSIVE NUMBER TEN THOUSAND

UTC: 2009-05-20  
 WG2: 2009-10-28  
 contact: Michael  
 Everson  
 document: L2/09-  
 189R N3647R  
 font:  
 Uni110D0Soraso  
 mpeng  
 target: 3rd edition

	110D	110E	110F
0	110D0	110E0	110F0
1	110D1	110E1	110F1
2	110D2	110E2	110F2
3	110D3	110E3	110F3
4	110D4	110E4	110F4
5	110D5	110E5	110F5
6	110D6	110E6	110F6
7	110D7	110E7	110F7
8	110D8	110E8	110F8
9	110D9		110F9
A	110DA		
B	110DB		
C	110DC		
D	110DD		
E	110DE		
F	110DF		

**Consonants**

- 110D0 SORA SOMPENG LETTER SAH
- 110D1 SORA SOMPENG LETTER TAH
- 110D2 SORA SOMPENG LETTER BAH
- 110D3 SORA SOMPENG LETTER CAH
- 110D4 SORA SOMPENG LETTER DAH
- 110D5 SORA SOMPENG LETTER GAH
- 110D6 SORA SOMPENG LETTER MAH
- 110D7 SORA SOMPENG LETTER NGAH
- 110D8 SORA SOMPENG LETTER LAH
- 110D9 SORA SOMPENG LETTER NAH
- 110DA SORA SOMPENG LETTER VAH
- 110DB SORA SOMPENG LETTER PAH
- 110DC SORA SOMPENG LETTER YAH
- 110DD SORA SOMPENG LETTER RAH
- 110DE SORA SOMPENG LETTER HAH
- 110DF SORA SOMPENG LETTER KAH
- 110E0 SORA SOMPENG LETTER JAH
- 110E1 SORA SOMPENG LETTER NYAH

**Vowels**

- 110E2 SORA SOMPENG LETTER AH
- 110E3 SORA SOMPENG LETTER EEH
- 110E4 SORA SOMPENG LETTER IH
- 110E5 SORA SOMPENG LETTER UH
- 110E6 SORA SOMPENG LETTER OH
- 110E7 SORA SOMPENG LETTER EH

**Other letter**

- 110E8 SORA SOMPENG LETTER MAE

**Digits**

- 110F0 SORA SOMPENG DIGIT ZERO
- 110F1 SORA SOMPENG DIGIT ONE
- 110F2 SORA SOMPENG DIGIT TWO
- 110F3 SORA SOMPENG DIGIT THREE
- 110F4 SORA SOMPENG DIGIT FOUR
- 110F5 SORA SOMPENG DIGIT FIVE
- 110F6 SORA SOMPENG DIGIT SIX
- 110F7 SORA SOMPENG DIGIT SEVEN
- 110F8 SORA SOMPENG DIGIT EIGHT
- 110F9 SORA SOMPENG DIGIT NINE

	1110	1111	1112	1113	1114
0	◌̇ 11100	ꠞ 11110	ꠟ 11120	ꠠ 11130	ꠡ 11140
1	◌̇̇ 11101	ꠛ 11111	ꠜ 11121	ꠣ 11131	ꠤ 11141
2	◌̇̇̇ 11102	ꠛ̇ 11112	ꠜ̇ 11122	ꠣ̇ 11132	ꠤ̇ 11142
3	ꠛ̇̇̇ 11103	ꠛ̇̇̇ 11113	ꠜ̇̇̇ 11123	ꠣ̇̇̇ 11133	ꠤ̇̇̇ 11143
4	ꠛ̇̇̇̇ 11104	ꠛ̇̇̇̇ 11114	ꠜ̇̇̇̇ 11124	ꠣ̇̇̇̇ 11134	
5	ꠛ̇̇̇̇̇ 11105	ꠛ̇̇̇̇̇ 11115	ꠜ̇̇̇̇̇ 11125		
6	ꠛ̇̇̇̇̇̇ 11106	ꠛ̇̇̇̇̇̇ 11116	ꠜ̇̇̇̇̇̇ 11126	ꠣ̇̇̇̇̇̇ 11136	
7	ꠛ̇̇̇̇̇̇̇ 11107	ꠛ̇̇̇̇̇̇̇ 11117	ꠜ̇̇̇̇̇̇̇ 11127	ꠣ̇̇̇̇̇̇̇ 11137	
8	ꠛ̇̇̇̇̇̇̇̇ 11108	ꠛ̇̇̇̇̇̇̇̇ 11118	ꠜ̇̇̇̇̇̇̇̇ 11128	ꠣ̇̇̇̇̇̇̇̇ 11138	
9	ꠛ̇̇̇̇̇̇̇̇̇ 11109	ꠛ̇̇̇̇̇̇̇̇̇ 11119	ꠜ̇̇̇̇̇̇̇̇̇ 11129	ꠣ̇̇̇̇̇̇̇̇̇ 11139	
A	ꠛ̇̇̇̇̇̇̇̇̇̇ 1110A	ꠛ̇̇̇̇̇̇̇̇̇̇ 1111A	ꠜ̇̇̇̇̇̇̇̇̇̇ 1112A	ꠣ̇̇̇̇̇̇̇̇̇̇ 1113A	
B	ꠛ̇̇̇̇̇̇̇̇̇̇̇ 1110B	ꠛ̇̇̇̇̇̇̇̇̇̇̇ 1111B	ꠜ̇̇̇̇̇̇̇̇̇̇̇ 1112B	ꠣ̇̇̇̇̇̇̇̇̇̇̇ 1113B	
C	ꠛ̇̇̇̇̇̇̇̇̇̇̇̇ 1110C	ꠛ̇̇̇̇̇̇̇̇̇̇̇̇ 1111C	ꠜ̇̇̇̇̇̇̇̇̇̇̇̇ 1112C	ꠣ̇̇̇̇̇̇̇̇̇̇̇̇ 1113C	
D	ꠛ̇̇̇̇̇̇̇̇̇̇̇̇̇ 1110D	ꠛ̇̇̇̇̇̇̇̇̇̇̇̇̇ 1111D	ꠜ̇̇̇̇̇̇̇̇̇̇̇̇̇ 1112D	ꠣ̇̇̇̇̇̇̇̇̇̇̇̇̇ 1113D	
E	ꠛ̇̇̇̇̇̇̇̇̇̇̇̇̇̇ 1110E	ꠛ̇̇̇̇̇̇̇̇̇̇̇̇̇̇ 1111E	ꠜ̇̇̇̇̇̇̇̇̇̇̇̇̇̇ 1112E	ꠣ̇̇̇̇̇̇̇̇̇̇̇̇̇̇ 1113E	
F	ꠛ̇̇̇̇̇̇̇̇̇̇̇̇̇̇̇ 1110F	ꠛ̇̇̇̇̇̇̇̇̇̇̇̇̇̇̇ 1111F	ꠜ̇̇̇̇̇̇̇̇̇̇̇̇̇̇̇ 1112F	ꠣ̇̇̇̇̇̇̇̇̇̇̇̇̇̇̇ 1113F	

UTC: 2009-08-13  
 WG2: 2009-10-28  
 contact: Michael Everson  
 document: L2/09-187R2  
 N3645R2  
 font: Uni11100Chakma  
 target: 3rd edition

**Various signs**

- 11100 ◌ CHAKMA SIGN CANDRABINDU  
= caanaphupudaa
- 11101 ◌ CHAKMA SIGN ANUSVARA  
= ekaphudaa
- 11102 ◌ CHAKMA SIGN VISARGA  
= dviphudaa

**Independent vowels**

- 11103 ʌ CHAKMA LETTER AA  
= pichapujhaa aa
- 11104 ɤ CHAKMA LETTER I  
= delabhaangagaa i
- 11105 ʊ CHAKMA LETTER U  
= bacacu u
- 11106 ɛ CHAKMA LETTER E  
= lejaubaa e

**Consonants**

- 11107 ʁ CHAKMA LETTER KAA  
= cucyaangyaa kaa
- 11108 ʁ CHAKMA LETTER KHAA  
= grajaangyaa khaa
- 11109 ʁ CHAKMA LETTER GAA  
= caandyaa gaa
- 1110A ʁ CHAKMA LETTER GHAA  
= tinaddaalyaa ghaa
- 1110B ɛ CHAKMA LETTER NGAA  
= cilaama ngaa
- 1110C ʊ CHAKMA LETTER CAA  
= dvibhalyaa caa
- 1110D ʁ CHAKMA LETTER CHAA  
= majaraa chaa
- 1110E ʁ CHAKMA LETTER JAA  
= dvipadala a haa
- 1110F ʁ CHAKMA LETTER JHAA  
= uraauraa jhaa
- 11110 ʁ CHAKMA LETTER NYAA  
= silaacyaa nyaa
- 11111 ʁ CHAKMA LETTER TTAA  
= dviyaadaat ttaa
- 11112 ʁ CHAKMA LETTER TTHAA  
= phudaadvijaat tthaa
- 11113 ʁ CHAKMA LETTER DDAA  
= aadudaangaat ddaa
- 11114 ʁ CHAKMA LETTER DDHAA  
= lejabharaat ddhaa
- 11115 ʁ CHAKMA LETTER NNAA  
= petttuyaa nnaa
- 11116 ʁ CHAKMA LETTER TAA  
= ghangadaat taa
- 11117 ʁ CHAKMA LETTER THAA  
= jagadaat thaa
- 11118 ʁ CHAKMA LETTER DAA  
= dolaniit daa
- 11119 ʁ CHAKMA LETTER DHAA  
= talamuya aat dhaa
- 1111A ʁ CHAKMA LETTER NAA  
= phaarabaanyaa naa
- 1111B ʁ CHAKMA LETTER PAA  
= paalyaa paa
- 1111C ʁ CHAKMA LETTER PHAA  
= ubaraphudaa phaa
- 1111D ʁ CHAKMA LETTER BAA  
= ubaramuyaa baa

- 1111E ʁ CHAKMA LETTER BHAA  
= ciraddaalyaa bhaa
- 1111F ʁ CHAKMA LETTER MAA  
= bugatpadalaa maa
- 11120 ʁ CHAKMA LETTER YYAA  
= cimayyaa yyaa
- 11121 ʁ CHAKMA LETTER YAA  
= jilyaa yaa
- 11122 ʁ CHAKMA LETTER RAA  
= dvidaayyaa raa
- 11123 ʁ CHAKMA LETTER LAA  
= talamuyaa laa
- 11124 ʁ CHAKMA LETTER WAA  
= bajhonyaa waa
- 11125 ʁ CHAKMA LETTER SAA  
= bhudibukyaa saa
- 11126 ʁ CHAKMA LETTER HAA  
= ubaramuyaa haa

**Dependent vowel signs**

- 11127 ◌ CHAKMA VOWEL SIGN A  
= ubaratulyaa a
- 11128 ◌ CHAKMA VOWEL SIGN I  
= bahryaa i
- 11129 ◌ CHAKMA VOWEL SIGN II  
= baaniiphadaa ii
- 1112A ◌ CHAKMA VOWEL SIGN U  
= ekattaana u
- 1112B ◌ CHAKMA VOWEL SIGN UU  
= dvitaaana uu
- 1112C ◌ CHAKMA VOWEL SIGN E  
= ekaara e
- 1112D ◌ CHAKMA VOWEL SIGN AI  
= delabhaanga ai
- 1112E ◌ CHAKMA VOWEL SIGN O  
= okaara o  
≡ 11131 ◌ 11127 ◌
- 1112F ◌ CHAKMA VOWEL SIGN AU  
= aukaara au  
≡ 11132 ◌ 11127 ◌
- 11130 ◌ CHAKMA VOWEL SIGN OI  
= oikaara oi
- 11131 ◌ CHAKMA O MARK
- 11132 ◌ CHAKMA AU MARK

**Various signs**

- 11133 ◌ CHAKMA VIRAMA  
• used to form conjuncts  
→ 1039 ◌ myanmar sign virama
- 11134 ◌ CHAKMA MAAYYAA  
• killer  
→ 103A ◌ myanmar sign asat

**Digits**

- 11136 0 CHAKMA DIGIT ZERO
- 11137 1 CHAKMA DIGIT ONE
- 11138 2 CHAKMA DIGIT TWO
- 11139 3 CHAKMA DIGIT THREE
- 1113A 4 CHAKMA DIGIT FOUR
- 1113B 5 CHAKMA DIGIT FIVE
- 1113C 6 CHAKMA DIGIT SIX
- 1113D 7 CHAKMA DIGIT SEVEN
- 1113E 8 CHAKMA DIGIT EIGHT
- 1113F 9 CHAKMA DIGIT NINE

**Punctuation**

- 11140 ☼ CHAKMA SECTION MARK  
= phulacihna
- 11141 | CHAKMA DANDA  
= ekacilyaa
- 11142 || CHAKMA DOUBLE DANDA  
= dvicilyaa
- 11143 › CHAKMA QUESTION MARK  
= pujhaar



	1118	1119	111A	111B	111C	111D
0	◌̣ 11180	ꣳ 11190	उ 111A0	ष 111B0	ी 111C0	• 111D0
1	◌̣̣ 11181	क 11191	ष 111A1	म 111B1	ꣳ 111C1	० 111D1
2	◌̣̣̣ 11182	प 11192	र 111A2	ऌ 111B2	ꣳ̣ 111C2	३ 111D2
3	म 11183	ग 11193	प 111A3	ꣳ̣ 111B3	ꣳ̣̣ 111C3	उ 111D3
4	मु 11184	य 11194	न 111A4	ि 111B4	ि 111C4	ॡ 111D4
5	ॠ 11185	र 11195	प 111A5	ी 111B5	। 111C5	५ 111D5
6	ꣳ̣̣̣ 11186	म 11196	ऌ 111A6	ꣳ̣̣̣ 111B6	॥ 111C6	७ 111D6
7	उ 11187	ꣳ̣̣̣ 11197	व 111A7	ꣳ̣̣̣̣ 111B7	• 111C7	१ 111D7
8	उ 11188	ꣳ̣̣̣̣ 11198	र 111A8	ꣳ̣̣̣̣̣ 111B8	• 111C8	उ 111D8
9	ꣳ̣̣̣̣̣ 11189	ꣳ̣̣̣̣̣ 11199	म 111A9	ꣳ̣̣̣̣̣̣ 111B9		७ 111D9
A	ꣳ̣̣̣̣̣̣ 1118A	ꣳ̣̣̣̣̣̣ 1119A	ष 111AA	ꣳ̣̣̣̣̣̣̣ 111BA		
B	ꣳ̣̣̣̣̣̣̣ 1118B	ꣳ̣̣̣̣̣̣̣ 1119B	ꣳ̣̣̣̣̣̣̣ 111AB	ꣳ̣̣̣̣̣̣̣̣ 111BB		
C	ꣳ̣̣̣̣̣̣̣̣ 1118C	० 1119C	ꣳ̣̣̣̣̣̣̣̣ 111AC	ꣳ̣̣̣̣̣̣̣̣̣ 111BC		
D	ꣳ̣̣̣̣̣̣̣̣̣ 1118D	ꣳ̣̣̣̣̣̣̣̣̣ 1119D	ꣳ̣̣̣̣̣̣̣̣̣ 111AD	ꣳ̣̣̣̣̣̣̣̣̣̣ 111BD		
E	ꣳ̣̣̣̣̣̣̣̣̣̣ 1118E	ꣳ̣̣̣̣̣̣̣̣̣̣ 1119E	ꣳ̣̣̣̣̣̣̣̣̣̣ 111AE	ꣳ̣̣̣̣̣̣̣̣̣̣̣ 111BE		
F	ꣳ̣̣̣̣̣̣̣̣̣̣̣ 1118F	ꣳ̣̣̣̣̣̣̣̣̣̣̣ 1119F	ꣳ̣̣̣̣̣̣̣̣̣̣̣ 111AF	ꣳ̣̣̣̣̣̣̣̣̣̣̣̣ 111BF		

**Various signs**

11180	◌◌	SHARADA SIGN CANDRABINDU
11181	◌◌	SHARADA SIGN ANUSVARA
11182	◌◌	SHARADA SIGN VISARGA

**Independent vowels**

11183	𑀀	SHARADA LETTER A
11184	𑀁	SHARADA LETTER AA
11185	𑀂	SHARADA LETTER I
11186	𑀃	SHARADA LETTER II
11187	𑀄	SHARADA LETTER U
11188	𑀅	SHARADA LETTER UU
11189	𑀆	SHARADA LETTER VOCALIC R
1118A	𑀇	SHARADA LETTER VOCALIC RR
1118B	𑀈	SHARADA LETTER VOCALIC L
1118C	𑀉	SHARADA LETTER VOCALIC LL
1118D	𑀊	SHARADA LETTER E
1118E	𑀋	SHARADA LETTER AI
1118F	𑀌	SHARADA LETTER O
11190	𑀍	SHARADA LETTER AU

**Consonants**

11191	𑀎	SHARADA LETTER KA
11192	𑀏	SHARADA LETTER KHA
11193	𑀐	SHARADA LETTER GA
11194	𑀑	SHARADA LETTER GHA
11195	𑀒	SHARADA LETTER NGA
11196	𑀓	SHARADA LETTER CA
11197	𑀔	SHARADA LETTER CHA
11198	𑀕	SHARADA LETTER JA
11199	𑀖	SHARADA LETTER JHA
1119A	𑀗	SHARADA LETTER NYA
1119B	𑀘	SHARADA LETTER TTA
1119C	𑀙	SHARADA LETTER TTHA
1119D	𑀚	SHARADA LETTER DDA
1119E	𑀛	SHARADA LETTER DDHA
1119F	𑀜	SHARADA LETTER NNA
111A0	𑀝	SHARADA LETTER TA
111A1	𑀞	SHARADA LETTER THA
111A2	𑀟	SHARADA LETTER DA
111A3	𑀠	SHARADA LETTER DHA
111A4	𑀡	SHARADA LETTER NA
111A5	𑀢	SHARADA LETTER PA
111A6	𑀣	SHARADA LETTER PHA
111A7	𑀤	SHARADA LETTER BA
111A8	𑀥	SHARADA LETTER BHA
111A9	𑀦	SHARADA LETTER MA
111AA	𑀧	SHARADA LETTER YA
111AB	𑀨	SHARADA LETTER RA
111AC	𑀩	SHARADA LETTER LA
111AD	𑀪	SHARADA LETTER LLA
111AE	𑀫	SHARADA LETTER VA
111AF	𑀬	SHARADA LETTER SHA
111B0	𑀭	SHARADA LETTER SSA
111B1	𑀮	SHARADA LETTER SA
111B2	𑀯	SHARADA LETTER HA

**Dependent vowel signs**

111B3	◌◌	SHARADA VOWEL SIGN AA
111B4	◌◌	SHARADA VOWEL SIGN I
111B5	◌◌	SHARADA VOWEL SIGN II
111B6	◌◌	SHARADA VOWEL SIGN U
111B7	◌◌	SHARADA VOWEL SIGN UU

111B8	◌◌	SHARADA VOWEL SIGN VOCALIC R
111B9	◌◌	SHARADA VOWEL SIGN VOCALIC RR
111BA	◌◌	SHARADA VOWEL SIGN VOCALIC L
111BB	◌◌	SHARADA VOWEL SIGN VOCALIC LL
111BC	◌◌	SHARADA VOWEL SIGN E
111BD	◌◌	SHARADA VOWEL SIGN AI
111BE	◌◌	SHARADA VOWEL SIGN O
111BF	◌◌	SHARADA VOWEL SIGN AU

**Various signs**

111C0	𑀀	SHARADA SIGN VIRAMA
111C1	𑀁	SHARADA SIGN AVAGRAHA
111C2	𑀂	SHARADA SIGN JHVAMULIYA
111C3	𑀃	SHARADA SIGN UPADHMANIYA
111C4	𑀄	SHARADA OM

**Punctuation**

111C5		SHARADA DANDA
111C6		SHARADA DOUBLE DANDA
111C7	•	SHARADA ABBREVIATION SIGN
111C8	,	SHARADA SEPARATOR

**Digits**

111D0	•	SHARADA DIGIT ZERO
111D1	◌	SHARADA DIGIT ONE
111D2	॑	SHARADA DIGIT TWO
111D3	॒	SHARADA DIGIT THREE
111D4	𑀆	SHARADA DIGIT FOUR
111D5	𑀇	SHARADA DIGIT FIVE
111D6	𑀈	SHARADA DIGIT SIX
111D7	𑀉	SHARADA DIGIT SEVEN
111D8	𑀊	SHARADA DIGIT EIGHT
111D9	𑀋	SHARADA DIGIT NINE

	1168	1169	116A	116B	116C
0	𑂔 11680	𑂕 11690	𑂖 116A0	𑂗 116B0	𑂘 116C0
1	𑂙 11681	𑂚 11691	𑂛 116A1	𑂜 116B1	𑂝 116C1
2	𑂞 11682	𑂟 11692	𑂠 116A2	𑂡 116B2	𑂢 116C2
3	𑂣 11683	𑂤 11693	𑂥 116A3	𑂦 116B3	𑂧 116C3
4	𑂨 11684	𑂩 11694	𑂪 116A4	𑂫 116B4	𑂬 116C4
5	𑂭 11685	𑂮 11695	𑂯 116A5	𑂰 116B5	𑂱 116C5
6	𑂲 11686	𑂳 11696	𑂴 116A6	𑂵 116B6	𑂶 116C6
7	𑂷 11687	𑂸 11697	𑂹 116A7	𑂺 116B7	𑂻 116C7
8	𑂼 11688	𑂽 11698	𑂾 116A8		𑂿 116C8
9	𑃀 11689	𑃁 11699	𑃂 116A9		𑃃 116C9
A	𑃄 1168A	𑃅 1169A	𑃆 116AA		
B	𑃇 1168B	𑃈 1169B	𑃉 116AB		
C	𑃊 1168C	𑃋 1169C	𑃌 116AC		
D	𑃍 1168D	𑃎 1169D	𑃏 116AD		
E	𑃐 1168E	𑃑 1169E	𑃒 116AE		
F	𑃓 1168F	𑃔 1169F	𑃕 116AF		

**Independent vowels**

11680	𑆗	TAKRI LETTER A
11681	𑆘	TAKRI LETTER AA
11682	𑆙	TAKRI LETTER I
11683	𑆚	TAKRI LETTER II
11684	𑆛	TAKRI LETTER U
11685	𑆜	TAKRI LETTER UU
11686	𑆝	TAKRI LETTER E
11687	𑆞	TAKRI LETTER AI
11688	𑆟	TAKRI LETTER O
11689	𑆠	TAKRI LETTER AU

**Consonants**

1168A	𑆡	TAKRI LETTER KA
1168B	𑆢	TAKRI LETTER KHA
1168C	𑆣	TAKRI LETTER GA
1168D	𑆤	TAKRI LETTER GHA
1168E	𑆥	TAKRI LETTER NGA
1168F	𑆦	TAKRI LETTER CA
11690	𑆨	TAKRI LETTER CHA
11691	𑆩	TAKRI LETTER JA
11692	𑆪	TAKRI LETTER JHA
11693	𑆫	TAKRI LETTER NYA
11694	𑆬	TAKRI LETTER TTA
11695	𑆭	TAKRI LETTER TTHA
11696	𑆮	TAKRI LETTER DDA
11697	𑆯	TAKRI LETTER DDHA
11698	𑆰	TAKRI LETTER NNA
11699	𑆱	TAKRI LETTER TA
1169A	𑆲	TAKRI LETTER THA
1169B	𑆳	TAKRI LETTER DA
1169C	𑆴	TAKRI LETTER DHA
1169D	𑆵	TAKRI LETTER NA
1169E	𑆶	TAKRI LETTER PA
1169F	𑆷	TAKRI LETTER PHA
116A0	𑆸	TAKRI LETTER BA
116A1	𑆹	TAKRI LETTER BHA
116A2	𑆺	TAKRI LETTER MA
116A3	𑆻	TAKRI LETTER YA
116A4	𑆼	TAKRI LETTER RA
116A5	𑆽	TAKRI LETTER LA
116A6	𑆾	TAKRI LETTER VA
116A7	𑆿	TAKRI LETTER SHA
116A8	𑇀	TAKRI LETTER SA
116A9	𑇁	TAKRI LETTER HA
116AA	𑇂	TAKRI LETTER RRA

**Various signs**

116AB	◌̣	TAKRI SIGN ANUSVARA
116AC	◌̤	TAKRI SIGN VISARGA

**Dependent vowel signs**

116AD	◌̥	TAKRI VOWEL SIGN AA
116AE	◌̦	TAKRI VOWEL SIGN I
116AF	◌̧	TAKRI VOWEL SIGN II
116B0	◌̨	TAKRI VOWEL SIGN U
116B1	◌̩	TAKRI VOWEL SIGN UU
116B2	◌̪	TAKRI VOWEL SIGN E
116B3	◌̫	TAKRI VOWEL SIGN AI
116B4	◌̬	TAKRI VOWEL SIGN O
116B5	◌̭	TAKRI VOWEL SIGN AU

**Various signs**

116B6	◌̮	TAKRI SIGN VIRAMA
116B7	◌̯	TAKRI SIGN NUKTA

**Digits**

116C0	𑆶	TAKRI DIGIT ZERO
116C1	𑆷	TAKRI DIGIT ONE
116C2	𑆸	TAKRI DIGIT TWO
116C3	𑆹	TAKRI DIGIT THREE
116C4	𑆺	TAKRI DIGIT FOUR
116C5	𑆻	TAKRI DIGIT FIVE
116C6	𑆼	TAKRI DIGIT SIX
116C7	𑆽	TAKRI DIGIT SEVEN
116C8	𑆾	TAKRI DIGIT EIGHT
116C9	𑆿	TAKRI DIGIT NINE

	16F00	16F01	16F02	16F03	16F04	16F05	16F06	16F07	16F08	16F09	16F0A	16F0B	16F0C	16F0D	16F0E	16F0F
0																
1																
2																
3																
4																
5																
6																
7																
8																
9																
A																
B																
C																
D																
E																
F																

**Consonant onsets**

UTC: 2010-05-19  
UTC: 2010-08-13 (add 5 chars)  
WG2: 2010-04-22  
contact: Michael Everson, Erich Fickle, Martin Hosken  
document: L2/10-049  
L2/10-093 L2/10-302  
N3761 N3789 N3877  
font: Uni16F00Miao  
target: 3rd edition

16F00	ɟ	MIAO LETTER PA	• used for ba in Dry Yi
16F01	ɟ̥	MIAO LETTER BA	
16F02	ɟ̥	MIAO LETTER YI PA	• used for pa in Dry Yi
16F03	ɟ̥	MIAO LETTER PLA	• used in Sichuan Hmong
16F04	ɟ̥	MIAO LETTER MA	
16F05	ɟ̥	MIAO LETTER MHA	
16F06	ɟ̥	MIAO LETTER ARCHAIC MA	• used in Pollard's early orthography
16F07	ɟ̥	MIAO LETTER FA	
16F08	ɟ̥	MIAO LETTER VA	
16F09	ɟ̥	MIAO LETTER VFA	• used in Black Yi
16F0A	ɟ̥	MIAO LETTER TA	• used for da in Dry Yi
16F0B	ɟ̥	MIAO LETTER DA	
16F0C	ɟ̥	MIAO LETTER YI TTA	• used in Hei Yi
16F0D	ɟ̥	MIAO LETTER YI TA	• used for ta in Dry Yi
16F0E	ɟ̥	MIAO LETTER TTA	
16F0F	ɟ̥	MIAO LETTER DDA	
16F10	ɟ̥	MIAO LETTER NA	
16F11	ɟ̥	MIAO LETTER NHA	
16F12	ɟ̥	MIAO LETTER YI NNA	• used in Hei Yi
16F13	ɟ̥	MIAO LETTER ARCHAIC NA	• used in Pollard's early orthography
16F14	ɟ̥	MIAO LETTER NNA	
16F15	ɟ̥	MIAO LETTER NNHA	
16F16	ɟ̥	MIAO LETTER LA	
16F17	ɟ̥	MIAO LETTER LYA	• used in Black Yi
16F18	ɟ̥	MIAO LETTER LHA	
16F19	ɟ̥	MIAO LETTER LHYA	• used in Black Yi
16F1A	ɟ̥	MIAO LETTER TLHA	
16F1B	ɟ̥	MIAO LETTER DLHA	
16F1C	ɟ̥	MIAO LETTER TLHYA	
16F1D	ɟ̥	MIAO LETTER DLHYA	
16F1E	ɟ̥	MIAO LETTER KA	• used for ga in Dry Yi
16F1F	ɟ̥	MIAO LETTER GA	
16F20	ɟ̥	MIAO LETTER YI KA	• used for ka in Dry Yi
16F21	ɟ̥	MIAO LETTER QA	
16F22	ɟ̥	MIAO LETTER QGA	
16F23	ɟ̥	MIAO LETTER NGA	
16F24	ɟ̥	MIAO LETTER NGHHA	
16F25	ɟ̥	MIAO LETTER ARCHAIC NGA	• used in Pollard's early orthography
16F26	ɟ̥	MIAO LETTER HA	
16F27	ɟ̥	MIAO LETTER XA	• archaic character used in a 1949 reformed orthography
16F28	ɟ̥	MIAO LETTER GHA	
16F29	ɟ̥	MIAO LETTER GHHA	
16F2A	ɟ̥	MIAO LETTER TSSA	
16F2B	ɟ̥	MIAO LETTER DZZA	

16F2C	ɟ̥	MIAO LETTER NYA	
16F2D	ɟ̥	MIAO LETTER NYHA	
16F2E	ɟ̥	MIAO LETTER TSHA	• used for dzha in Dry Yi
16F2F	ɟ̥	MIAO LETTER DZHA	
16F30	ɟ̥	MIAO LETTER YI TSHA	• used for tsha in Dry Yi
16F31	ɟ̥	MIAO LETTER YI DZHA	• used in Hei Yi
16F32	ɟ̥	MIAO LETTER REFORMED TSHA	• archaic character used in a 1949 reformed orthography
16F33	ɟ̥	MIAO LETTER SHA	
16F34	ɟ̥	MIAO LETTER SSA	
16F35	ɟ̥	MIAO LETTER ZHA	• used in Black Yi
16F36	ɟ̥	MIAO LETTER ZSHA	• used in Black Yi
16F37	ɟ̥	MIAO LETTER TSA	• used for dza in Dry Yi
16F38	ɟ̥	MIAO LETTER DZA	
16F39	ɟ̥	MIAO LETTER YI TSA	• used for tsa in Dry Yi
16F3A	ɟ̥	MIAO LETTER SA	
16F3B	ɟ̥	MIAO LETTER ZA	
16F3C	ɟ̥	MIAO LETTER ZSA	• used in Black Yi
16F3D	ɟ̥	MIAO LETTER ZZA	
16F3E	ɟ̥	MIAO LETTER ZZSA	• used in Black Yi
16F3F	ɟ̥	MIAO LETTER ARCHAIC ZZA	• used in Pollard's early orthography
16F40	ɟ̥	MIAO LETTER ZZYA	• used in Black Yi
16F41	ɟ̥	MIAO LETTER ZZSYA	• used in Black Yi
16F42	ɟ̥	MIAO LETTER WA	
16F43	ɟ̥	MIAO LETTER AH	• glottal stop
16F44	ɟ̥	MIAO LETTER HHA	• used in Black Yi

**Modifiers**

16F50	ɟ̥	MIAO LETTER NASALIZATION	
16F51	ɟ̥	MIAO SIGN ASPIRATION	
16F52	ɟ̥	MIAO SIGN REFORMED VOICING	• archaic character used in a post-1949 reformed orthography
16F53	ɟ̥	MIAO SIGN REFORMED ASPIRATION	• archaic character used in a post-1949 reformed orthography

**Vowels and finals**

16F54	ɟ̥	MIAO VOWEL SIGN A	
16F55	ɟ̥	MIAO VOWEL SIGN AA	• used in Eastern Lisu
16F56	ɟ̥	MIAO LETTER AHH	• used in Hey Yi
16F57	ɟ̥	MIAO VOWEL SIGN AN	
16F58	ɟ̥	MIAO VOWEL SIGN ANG	• also used for aw
16F59	ɟ̥	MIAO VOWEL SIGN O	
16F5A	ɟ̥	MIAO VOWEL SIGN OO	

16F5B	◌ <sub>o</sub>	MIAO LETTER WO	• used in Hei Yi
16F5C	◌ <sub>ɔ</sub>	MIAO VOWEL SIGN W	
16F5D	◌ <sub>e</sub>	MIAO VOWEL SIGN E	
16F5E	◌ <sub>ɛ</sub>	MIAO VOWEL SIGN EN	
16F5F	◌ <sub>ɛ̃</sub>	MIAO VOWEL SIGN ENG	
16F60	◌ <sub>ɛ̃</sub>	MIAO VOWEL SIGN OEY	
16F61	◌ <sub>n</sub>	MIAO VOWEL SIGN I	
16F62	◌ <sub>n̄</sub>	MIAO VOWEL SIGN IA	
16F63	◌ <sub>n̄</sub>	MIAO VOWEL SIGN IAN	
16F64	◌ <sub>n̄</sub>	MIAO VOWEL SIGN IANG	• also used for iaw
16F65	◌ <sub>ro</sub>	MIAO VOWEL SIGN IO	
16F66	◌ <sub>z</sub>	MIAO VOWEL SIGN IE	
16F67	◌ <sub>m</sub>	MIAO VOWEL SIGN II	• used in Eastern Lisu
16F68	◌ <sub>ru</sub>	MIAO VOWEL SIGN IU	
16F69	◌ <sub>n̄</sub>	MIAO VOWEL SIGN ING	• also used for in
16F6A	◌ <sub>u</sub>	MIAO VOWEL SIGN U	
16F6B	◌ <sub>ū</sub>	MIAO VOWEL SIGN UA	
16F6C	◌ <sub>ur</sub>	MIAO VOWEL SIGN UAN	
16F6D	◌ <sub>ur</sub>	MIAO VOWEL SIGN UANG	• also used for uaw
16F6E	◌ <sub>w</sub>	MIAO VOWEL SIGN UU	• used in Eastern Lisu
16F6F	◌ <sub>w</sub>	MIAO VOWEL SIGN UEI	
16F70	◌ <sub>ū</sub>	MIAO VOWEL SIGN UNG	
16F71	◌ <sub>ɔ̃</sub>	MIAO VOWEL SIGN Y	
16F72	◌ <sub>ɔ̃</sub>	MIAO VOWEL SIGN YI	
16F73	◌ <sub>ɔ̃</sub>	MIAO VOWEL SIGN AE	
16F74	◌ <sub>ɔ̃</sub>	MIAO VOWEL SIGN AEE	• used in Eastern Lisu
16F75	◌ <sub>ɔ̃</sub>	MIAO VOWEL SIGN ERR	
16F76	◌ <sub>ɔ̃</sub>	MIAO VOWEL SIGN ROUNDED ERR	• used in Eastern Lisu
16F77	◌ <sub>r</sub>	MIAO VOWEL SIGN ER	
16F78	◌ <sub>r</sub>	MIAO VOWEL SIGN ROUNDED ER	• used in Eastern Lisu
16F79	◌ <sub>i</sub>	MIAO VOWEL SIGN AI	
16F7A	◌ <sub>ɛ</sub>	MIAO VOWEL SIGN EI	
16F7B	◌ <sub>ii</sub>	MIAO VOWEL SIGN AU	
16F7C	◌ <sub>q</sub>	MIAO VOWEL SIGN OU	
16F7D	◌ <sub>ɛ</sub>	MIAO VOWEL SIGN N	
16F7E	◌ <sub>ɛ</sub>	MIAO VOWEL SIGN NG	

**Positioning tone marks**

*These are used to position the vowel off of the baseline position to indicate a changed tone.*

16F8F		MIAO TONE RIGHT
16F90		MIAO TONE TOP RIGHT
16F91		MIAO TONE ABOVE
16F92		MIAO TONE BELOW

**Baseline tone marks**

*These are used in Chuxiong Ahmao instead of the four above*

16F93	τ	MIAO LETTER TONE-2
16F94	ɿ	MIAO LETTER TONE-3
16F95	h	MIAO LETTER TONE-4
16F96	r	MIAO LETTER TONE-5
16F97	s	MIAO LETTER TONE-6
16F98	l	MIAO LETTER TONE-7

16F99	˘	MIAO LETTER TONE-8
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**Archaic baseline tone marks**

*These are archaic characters used in a post-1949 reformed orthography*

16F9A	˘	MIAO LETTER REFORMED TONE-1
16F9B	m	MIAO LETTER REFORMED TONE-2
16F9C	ɿ	MIAO LETTER REFORMED TONE-4
16F9D	ɿ	MIAO LETTER REFORMED TONE-5
16F9E	˘	MIAO LETTER REFORMED TONE-6
16F9F	u	MIAO LETTER REFORMED TONE-8

	1EE00	1EE01	1EE02	1EE03	1EE04	1EE05	1EE06	1EE07	1EE08	1EE09	1EE0A	1EE0B	1EE0C	1EE0D	1EE0E	1EE0F	
0	ا 1EE00	فا 1EE10	ف 1EE30				فا 1EE70	ا 1EE80	فا 1EE90	ف 1EEB0						حا 1EEF0	
1	ب 1EE01	ص 1EE11	ب 1EE21	ب 1EE31		ص 1EE51	با 1EE61	با 1EE71	ب 1EE81	ص 1EE91	ب 1EEA1	ص 1EEB1					حا 1EEF1
2	خ 1EE02	ق 1EE12	خ 1EE22	قا 1EE32	خ 1EE42	ق 1EE52	خا 1EE62	قا 1EE72	خ 1EE82	ق 1EE92	خ 1EEA2	ق 1EEB2					
3	د 1EE03	ر 1EE13							ه 1EE83	ر 1EE93	د 1EEA3	ر 1EEB3					
4		ش 1EE14	ه 1EE24	شا 1EE34		ش 1EE54	ها 1EE64	شا 1EE74	ه 1EE84	ش 1EE94		ش 1EEB4					
5	و 1EE05	ث 1EE15		تا 1EE35				تا 1EE75	و 1EE85	ث 1EE95	و 1EEA5	ث 1EEB5					
6	ز 1EE06	ش 1EE16		ث 1EE36				ث 1EE76	ز 1EE86	ش 1EE96	ز 1EEA6	ث 1EEB6					
7	ح 1EE07	خ 1EE17	ح 1EE27	خ 1EE37	ح 1EE47	خ 1EE57	حا 1EE67	خا 1EE77	ح 1EE87	خ 1EE97	ح 1EEA7	خ 1EEB7					
8	ط 1EE08	ذ 1EE18					كا 1EE68		ط 1EE88	ذ 1EE98	ط 1EEA8	ذ 1EEB8					
9	ي 1EE09	ض 1EE19	ي 1EE29	ض 1EE39	ي 1EE49	ض 1EE59	يا 1EE69	ضا 1EE79	ي 1EE89	ض 1EE99	ي 1EEA9	ض 1EEB9					
A	ك 1EE0A	ظ 1EE1A	كا 1EE2A				كا 1EE6A	ظا 1EE7A		ظ 1EE9A		ظ 1EEBA					
B	ل 1EE0B	غ 1EE1B	ل 1EE2B	غ 1EE3B	ل 1EE4B	غ 1EE5B		غا 1EE7B	ل 1EE8B	غ 1EE9B	ل 1EEAB	غ 1EEBB					
C	م 1EE0C	ر 1EE1C	ه 1EE2C				كا 1EE6C	سا 1EE7C	م 1EE8C		م 1EEAC						
D	ن 1EE0D	ر 1EE1D	ذ 1EE2D		ن 1EE4D	ر 1EE5D	نا 1EE6D		ن 1EE8D		ن 1EEAD						
E	س 1EE0E	فا 1EE1E	ا 1EE2E		س 1EE4E		سا 1EE6E	فا 1EE7E	س 1EE8E		س 1EEAE						
F	ع 1EE0F	و 1EE1F	ا 1EE2F		ع 1EE4F	و 1EE5F	عا 1EE6F		ع 1EE8F		ع 1EEAF						



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 WG2: 2010-04-22  
 contact: Roozbeh Pourmader  
 document: N3799  
 font: Uni1EE00  
 target: 3rd edition

**Isolated symbols**

1EE00	ا	ARABIC MATHEMATICAL ALEF → FE8D ا arabic letter alef isolated form
1EE01	ب	ARABIC MATHEMATICAL BEH → FE8F ب arabic letter beh isolated form
1EE02	ج	ARABIC MATHEMATICAL JEEM → FE9D ج arabic letter jeem isolated form
1EE03	د	ARABIC MATHEMATICAL DAL → FEA9 د arabic letter dal isolated form
1EE04	◻	<reserved>
1EE05	و	ARABIC MATHEMATICAL WAW → FEED و arabic letter waw isolated form
1EE06	ز	ARABIC MATHEMATICAL ZAIN → FEAF ز arabic letter zain isolated form
1EE07	ح	ARABIC MATHEMATICAL HAH → FEA1 ح arabic letter hah isolated form
1EE08	ط	ARABIC MATHEMATICAL TAH → FEC1 ط arabic letter tah isolated form
1EE09	ي	ARABIC MATHEMATICAL YEH → FEF1 ي arabic letter yeh isolated form
1EE0A	ك	ARABIC MATHEMATICAL KAF → FED9 ك arabic letter kaf isolated form
1EE0B	ل	ARABIC MATHEMATICAL LAM → FEDD ل arabic letter lam isolated form
1EE0C	م	ARABIC MATHEMATICAL MEEM → FEE1 م arabic letter meem isolated form
1EE0D	ن	ARABIC MATHEMATICAL NOON → FEE5 ن arabic letter noon isolated form
1EE0E	س	ARABIC MATHEMATICAL SEEN → FEB1 س arabic letter seen isolated form
1EE0F	ع	ARABIC MATHEMATICAL AIN → FEC9 ع arabic letter ain isolated form
1EE10	ف	ARABIC MATHEMATICAL FEH → FED1 ف arabic letter feh isolated form
1EE11	ص	ARABIC MATHEMATICAL SAD → FEB9 ص arabic letter sad isolated form
1EE12	ق	ARABIC MATHEMATICAL QAF → FED5 ق arabic letter qaf isolated form
1EE13	ر	ARABIC MATHEMATICAL REH → FEAD ر arabic letter reh isolated form
1EE14	ش	ARABIC MATHEMATICAL SHEEN → FEB5 ش arabic letter sheen isolated form
1EE15	ت	ARABIC MATHEMATICAL TEH → FE95 ت arabic letter teh isolated form
1EE16	ث	ARABIC MATHEMATICAL THEH → FE99 ث arabic letter theh isolated form
1EE17	خ	ARABIC MATHEMATICAL KHAH → FEA5 خ arabic letter khah isolated form
1EE18	ذ	ARABIC MATHEMATICAL THAL → FEAB ذ arabic letter thal isolated form
1EE19	ض	ARABIC MATHEMATICAL DAD → FEBD ض arabic letter dad isolated form
1EE1A	ظ	ARABIC MATHEMATICAL ZAH → FEC5 ظ arabic letter zah isolated form
1EE1B	غ	ARABIC MATHEMATICAL GHAIN → FECD غ arabic letter ghain isolated form
1EE1C	ب	ARABIC MATHEMATICAL DOTLESS BEH → 066E ب arabic letter dotless beh
1EE1D	ن	ARABIC MATHEMATICAL DOTLESS NOON → 06BA ن arabic letter noon ghunna
1EE1E	ف	ARABIC MATHEMATICAL DOTLESS FEH → 06A1 ف arabic letter dotless feh

1EE1F و ARABIC MATHEMATICAL DOTLESS QAF  
→ 066F و arabic letter dotless qaf

**Initial symbols**

1EE21	ب	ARABIC MATHEMATICAL INITIAL BEH → FE91 ب arabic letter beh initial form
1EE22	ج	ARABIC MATHEMATICAL INITIAL JEEM → FE9F ج arabic letter jeem initial form
1EE23	◻	<reserved>
1EE24	هـ	ARABIC MATHEMATICAL INITIAL HEH → FEEB هـ arabic letter heh initial form
1EE25	◻	<reserved>
1EE26	◻	<reserved>
1EE27	ح	ARABIC MATHEMATICAL INITIAL HAH → FEA3 ح arabic letter hah initial form
1EE28	◻	<reserved>
1EE29	ي	ARABIC MATHEMATICAL INITIAL YEH → FEF3 ي arabic letter yeh initial form
1EE2A	ك	ARABIC MATHEMATICAL INITIAL KAF → FEDB ك arabic letter kaf initial form
1EE2B	ل	ARABIC MATHEMATICAL INITIAL LAM → FEDF ل arabic letter lam initial form
1EE2C	م	ARABIC MATHEMATICAL INITIAL MEEM → FEE3 م arabic letter meem initial form
1EE2D	ن	ARABIC MATHEMATICAL INITIAL NOON → FEE7 ن arabic letter noon initial form
1EE2E	س	ARABIC MATHEMATICAL INITIAL SEEN → FEB3 س arabic letter seen initial form
1EE2F	ع	ARABIC MATHEMATICAL INITIAL AIN → FECB ع arabic letter ain initial form
1EE30	ف	ARABIC MATHEMATICAL INITIAL FEH → FED3 ف arabic letter feh initial form
1EE31	ص	ARABIC MATHEMATICAL INITIAL SAD → FEBB ص arabic letter sad initial form
1EE32	ق	ARABIC MATHEMATICAL INITIAL QAF → FED7 ق arabic letter qaf initial form
1EE33	◻	<reserved>
1EE34	ش	ARABIC MATHEMATICAL INITIAL SHEEN → FEB7 ش arabic letter sheen initial form
1EE35	ت	ARABIC MATHEMATICAL INITIAL TEH → FE97 ت arabic letter teh initial form
1EE36	ث	ARABIC MATHEMATICAL INITIAL THEH → FE9B ث arabic letter theh initial form
1EE37	خ	ARABIC MATHEMATICAL INITIAL KHAH → FEA7 خ arabic letter khah initial form
1EE38	◻	<reserved>
1EE39	ض	ARABIC MATHEMATICAL INITIAL DAD → FEBF ض arabic letter dad initial form
1EE3A	◻	<reserved>
1EE3B	غ	ARABIC MATHEMATICAL INITIAL GHAIN → FECF غ arabic letter ghain initial form

**Tailed symbols**

1EE42	ج	ARABIC MATHEMATICAL TAILED JEEM
1EE43	◻	<reserved>
1EE44	◻	<reserved>
1EE45	◻	<reserved>
1EE46	◻	<reserved>
1EE47	ح	ARABIC MATHEMATICAL TAILED HAH
1EE48	◻	<reserved>
1EE49	ي	ARABIC MATHEMATICAL TAILED YEH
1EE4A	◻	<reserved>
1EE4B	ل	ARABIC MATHEMATICAL TAILED LAM

1EE4C	⏏	<reserved>
1EE4D	ن	ARABIC MATHEMATICAL TAILED NOON
1EE4E	س	ARABIC MATHEMATICAL TAILED SEEN
1EE4F	ع	ARABIC MATHEMATICAL TAILED AIN
1EE50	⏏	<reserved>
1EE51	س	ARABIC MATHEMATICAL TAILED SAD
1EE52	ق	ARABIC MATHEMATICAL TAILED QAF
1EE53	⏏	<reserved>
1EE54	ش	ARABIC MATHEMATICAL TAILED SHEEN
1EE55	⏏	<reserved>
1EE56	⏏	<reserved>
1EE57	خ	ARABIC MATHEMATICAL TAILED KHAH
1EE58	⏏	<reserved>
1EE59	د	ARABIC MATHEMATICAL TAILED DAD
1EE5A	⏏	<reserved>
1EE5B	ج	ARABIC MATHEMATICAL TAILED GHAIN
1EE5C	⏏	<reserved>
1EE5D	ن	ARABIC MATHEMATICAL TAILED DOTLESS NOON
1EE5E	⏏	<reserved>
1EE5F	ق	ARABIC MATHEMATICAL TAILED DOTLESS QAF

**Stretched symbols**

1EE61	ب	ARABIC MATHEMATICAL STRETCHED BEH
1EE62	ج	ARABIC MATHEMATICAL STRETCHED JEEM
1EE63	⏏	<reserved>
1EE64	ه	ARABIC MATHEMATICAL STRETCHED HEH
1EE65	⏏	<reserved>
1EE66	⏏	<reserved>
1EE67	ح	ARABIC MATHEMATICAL STRETCHED HAH
1EE68	ط	ARABIC MATHEMATICAL STRETCHED TAH
1EE69	ي	ARABIC MATHEMATICAL STRETCHED YEH
1EE6A	ك	ARABIC MATHEMATICAL STRETCHED KAF
1EE6B	⏏	<reserved>
1EE6C	م	ARABIC MATHEMATICAL STRETCHED MEEM
1EE6D	ن	ARABIC MATHEMATICAL STRETCHED NOON
1EE6E	س	ARABIC MATHEMATICAL STRETCHED SEEN
1EE6F	ع	ARABIC MATHEMATICAL STRETCHED AIN
1EE70	ق	ARABIC MATHEMATICAL STRETCHED FEH
1EE71	ك	ARABIC MATHEMATICAL STRETCHED SAD
1EE72	ق	ARABIC MATHEMATICAL STRETCHED QAF
1EE73	⏏	<reserved>
1EE74	ش	ARABIC MATHEMATICAL STRETCHED SHEEN
1EE75	ت	ARABIC MATHEMATICAL STRETCHED TEH
1EE76	ث	ARABIC MATHEMATICAL STRETCHED THEH
1EE77	خ	ARABIC MATHEMATICAL STRETCHED KHAH
1EE78	⏏	<reserved>
1EE79	د	ARABIC MATHEMATICAL STRETCHED DAD
1EE7A	ظ	ARABIC MATHEMATICAL STRETCHED ZAH
1EE7B	ج	ARABIC MATHEMATICAL STRETCHED GHAIN
1EE7C	س	ARABIC MATHEMATICAL STRECHED DOTLESS BEH
1EE7D	⏏	<reserved>
1EE7E	ق	ARABIC MATHEMATICAL STRECHED DOTLESS FEH

**Looped symbols**

1EE80	ا	ARABIC MATHEMATICAL LOOPED ALEF
1EE81	ب	ARABIC MATHEMATICAL LOOPED BEH
1EE82	ج	ARABIC MATHEMATICAL LOOPED JEEM
1EE83	د	ARABIC MATHEMATICAL LOOPED DAL
1EE84	ه	ARABIC MATHEMATICAL LOOPED HEH
1EE85	و	ARABIC MATHEMATICAL LOOPED WAW

1EE86	ز	ARABIC MATHEMATICAL LOOPED ZAIN
1EE87	ح	ARABIC MATHEMATICAL LOOPED HAH
1EE88	ط	ARABIC MATHEMATICAL LOOPED TAH
1EE89	ي	ARABIC MATHEMATICAL LOOPED YEH
1EE8A	⏏	<reserved>
1EE8B	ل	ARABIC MATHEMATICAL LOOPED LAM
1EE8C	م	ARABIC MATHEMATICAL LOOPED MEEM
1EE8D	ن	ARABIC MATHEMATICAL LOOPED NOON
1EE8E	س	ARABIC MATHEMATICAL LOOPED SEEN
1EE8F	ع	ARABIC MATHEMATICAL LOOPED AIN
1EE90	ق	ARABIC MATHEMATICAL LOOPED FEH
1EE91	ك	ARABIC MATHEMATICAL LOOPED SAD
1EE92	ق	ARABIC MATHEMATICAL LOOPED QAF
1EE93	ر	ARABIC MATHEMATICAL LOOPED REH
1EE94	ش	ARABIC MATHEMATICAL LOOPED SHEEN
1EE95	ت	ARABIC MATHEMATICAL LOOPED TEH
1EE96	ث	ARABIC MATHEMATICAL LOOPED THEH
1EE97	خ	ARABIC MATHEMATICAL LOOPED KHAH
1EE98	ظ	ARABIC MATHEMATICAL LOOPED THAL
1EE99	ج	ARABIC MATHEMATICAL LOOPED DAD
1EE9A	ظ	ARABIC MATHEMATICAL LOOPED ZAH
1EE9B	ج	ARABIC MATHEMATICAL LOOPED GHAIN

**Double-struck symbols**

1EEA1	ب	ARABIC MATHEMATICAL DOUBLE-STRUCK BEH
1EEA2	ج	ARABIC MATHEMATICAL DOUBLE-STRUCK JEEM
1EEA3	د	ARABIC MATHEMATICAL DOUBLE-STRUCK DAL
1EEA4	⏏	<reserved>
1EEA5	و	ARABIC MATHEMATICAL DOUBLE-STRUCK WAW
1EEA6	ز	ARABIC MATHEMATICAL DOUBLE-STRUCK ZAIN
1EEA7	ح	ARABIC MATHEMATICAL DOUBLE-STRUCK HAH
1EEA8	ط	ARABIC MATHEMATICAL DOUBLE-STRUCK TAH
1EEA9	ي	ARABIC MATHEMATICAL DOUBLE-STRUCK YEH
1EEAA	⏏	<reserved>
1EEAB	ل	ARABIC MATHEMATICAL DOUBLE-STRUCK LAM
1EEAC	م	ARABIC MATHEMATICAL DOUBLE-STRUCK MEEM
1EEAD	ن	ARABIC MATHEMATICAL DOUBLE-STRUCK NOON
1EEAE	س	ARABIC MATHEMATICAL DOUBLE-STRUCK SEEN
1EEAF	ع	ARABIC MATHEMATICAL DOUBLE-STRUCK AIN
1EEB0	ق	ARABIC MATHEMATICAL DOUBLE-STRUCK FEH
1EEB1	ك	ARABIC MATHEMATICAL DOUBLE-STRUCK SAD
1EEB2	ق	ARABIC MATHEMATICAL DOUBLE-STRUCK QAF
1EEB3	ر	ARABIC MATHEMATICAL DOUBLE-STRUCK REH
1EEB4	ش	ARABIC MATHEMATICAL DOUBLE-STRUCK SHEEN
1EEB5	ت	ARABIC MATHEMATICAL DOUBLE-STRUCK TEH
1EEB6	ث	ARABIC MATHEMATICAL DOUBLE-STRUCK THEH
1EEB7	خ	ARABIC MATHEMATICAL DOUBLE-STRUCK KHAH
1EEB8	ظ	ARABIC MATHEMATICAL DOUBLE-STRUCK THAL
1EEB9	ج	ARABIC MATHEMATICAL DOUBLE-STRUCK DAD
1EEBA	ظ	ARABIC MATHEMATICAL DOUBLE-STRUCK ZAH

1EEBB ﻋ ARABIC MATHEMATICAL DOUBLE-STRUCK  
GHAIN

**Stretching operators**

*The following operators stretch based on the width of the text that is displayed below or above them.*

1EEF0 ﺡ ARABIC MATHEMATICAL OPERATOR MEEM  
WITH HAH WITH TATWEEL  
→ 2211  $\sum$  n-ary summation

- used in Arabic mathematics to denote summation
- stretched at the tatweel

1EEF1 ﺡد ARABIC MATHEMATICAL OPERATOR HAH WITH  
DAL

- used in Persian mathematics to denote limits
- stretched between the hah and the dal





	1F10	1F11	1F12	1F13	1F14	1F15	1F16	1F17	1F18	1F19	1F1A	1F1B	1F1C	1F1D	1F1E	1F1F
0																
1																
2																
3																
4																
5																
6																
7																
8																
9																
A							MC									
							1F16A									
B							MD									
							1F16B									
C																
D																
E																
F																

UTC: 2010-05-19  
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contact: Karl Pentzlin  
document: L2/10-079 N3860  
font:  
Uni1F100Enclosedsuppleme  
nt  
target: 3rd edition

**Raised squared Latin sequences**

- 1F16A <sup>MC</sup> **RAISED MC SIGN**  
= Marque de Commerce  
• Canadian legal use  
→ 2122 <sup>TM</sup> trade mark sign  
≈ <sup> 004D **M** 0043 **C**
- 1F16B <sup>MD</sup> **RAISED MD SIGN**  
= Marque Deposee  
• Canadian legal use  
→ 00AE <sup>®</sup> registered sign  
≈ <sup> 004D **M** 0044 **D**














1F50 1F51 1F52 1F53 1F54 1F55 1F56 1F57 1F58 1F59 1F5A 1F5B 1F5C 1F5D 1F5E 1F5F

0				 1F540														
1				 1F541														
2				 1F542														
3				 1F543														
4																		
5																		
6																		
7																		
8																		
9																		
A																		
B																		
C																		
D																		
E																		
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**Religious symbols**






















































- 1F540 ⊕ CIRCLED CROSS POMMEE  
 • Orthodox typikon symbol for great feast service
- 1F541 ⊕ CROSS POMMEE WITH HALF-CIRCLE BELOW  
 • Orthodox typikon symbol for vigil service
- 1F542 ⊕ CROSS POMMEE  
 • Orthodox typikon symbol for Polyeleos  
 → 2722 ⊕ four teardrop-spoked asterisk
- 1F543 ⊕ NOTCHED LEFT SEMICIRCLE WITH THREE DOTS  
 • Orthodox typikon symbol for lower rank feast

	1F60	1F61	1F62	1F63	1F64
0	 1F600				
1		 1F611			
2					
3					
4				 1F634	
5		 1F615			
6			 1F626		
7		 1F617	 1F627		
8					
9		 1F619			
A					
B		 1F61B			
C			 1F62C		
D					
E			 1F62E		
F		 1F61F	 1F62F		



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 target: 3rd edition

**Faces**

1F600		GRINNING FACE
1F601		<reserved>
1F602		<reserved>
1F603		<reserved>
1F604		<reserved>
1F605		<reserved>
1F606		<reserved>
1F607		<reserved>
1F608		<reserved>
1F609		<reserved>
1F60A		<reserved>
1F60B		<reserved>
1F60C		<reserved>
1F60D		<reserved>
1F60E		<reserved>
1F60F		<reserved>
1F610		<reserved>
1F611		EXPRESSIONLESS FACE
1F612		<reserved>
1F613		<reserved>
1F614		<reserved>
1F615		CONFUSED FACE
1F616		<reserved>
1F617		KISSING FACE
1F618		<reserved>
1F619		KISSING FACE WITH SMILING EYES
1F61A		<reserved>
1F61B		FACE WITH STUCK-OUT TONGUE
1F61C		<reserved>
1F61D		<reserved>
1F61E		<reserved>
1F61F		WORRIED FACE
1F620		<reserved>
1F621		<reserved>
1F622		<reserved>
1F623		<reserved>
1F624		<reserved>
1F625		<reserved>
1F626		FROWNING FACE WITH OPEN MOUTH
1F627		ANGUISHED FACE
1F628		<reserved>
1F629		<reserved>
1F62A		<reserved>
1F62B		<reserved>
1F62C		GRIMACING FACE
1F62D		<reserved>
1F62E		FACE WITH OPEN MOUTH
1F62F		HUSHED FACE
1F630		<reserved>
1F631		<reserved>
1F632		<reserved>
1F633		<reserved>
1F634		SLEEPING FACE