

ISO/IEC International Standard
Committee Draft 10646-2

ISO/IEC WD 10646-2

1999-11-08

**Information technology — Universal Multiple-
Octet Coded Character Set (UCS) —**

Part 2:

Secondary Multilingual Plane for scripts and symbols

Supplementary Plane for CJK Ideographs

Special Purpose Plane

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Foreword

ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate in the development of International Standards through technical committees established by the respective organization to deal with particular fields or technical activity. ISO and IEC technical committees collaborate in fields of mutual interest. Other international organizations, governmental and non-governmental, in liaison with ISO and IEC, also take part in the work.

In the field of information technology, ISO and IEC have established a joint technical committee, ISO/IEC JTC1. Draft international Standards adopted by the joint technical committee are circulated to national bodies for voting. Publication as an International Standard requires approval by at least 75% of the national bodies casting a vote.

International Standards ISO/IEC 10646-1 and 10646-2 were prepared by Joint Technical Committee ISO/IEC JTC1, *Information technology*.

ISO/IEC 10646 consists of the following part, under the general title *Information technology - Universal Multiple-Octet Coded Character Set (UCS)*:

- *Part 1: Architecture and Basic Multilingual Plane*
- *Part 2: Secondary Multilingual Plane for scripts and symbols, Supplementary Plane for CJK Ideographs, Special Purpose Plane*

Additional parts will specify other planes.

Information technology — Universal Multiple-Octet Coded Character Set (UCS) —

Contents

Part 2:

Secondary Multilingual Plane for scripts and symbols

Supplementary Plane for CJK Ideographs

Special Purpose Plane

1 Scope

ISO/IEC 10646 specifies the Universal Multiple-Octet Coded Character Set (UCS). It is applicable to the representation, transmission, interchange, processing, storage, input and presentation of the written form of the languages of the world as well as additional symbols.

ISO/IEC 10646 Part 1 specifies the overall architecture and the Basic Multilingual Plane (BMP) of the UCS.

This second part specifies:

- the Secondary Multilingual Plane for scripts and symbols (SMP) of the UCS and defines a set of graphic characters used in scripts not covered by the Supplementary Plane for CJK Ideographs (SIP) and the BMP;
- the Supplementary Plane for CJK Ideographs (SIP) of the UCS and defines a set of graphic characters that are used in East Asia. These are defined as Chinese/Japanese/Korean (CJK) ideographs (East Asian ideographs);
- the Special Purpose Plane (SPP) and defines a set of special purpose use graphic characters.
- the names for graphic characters of these planes, and the coded representation using the four-octet (32-bit) canonical form of the UCS.

Graphic characters that are already encoded in the Part 1 are not repeated in these supplementary planes. In addition, any character is assigned to only one code position within the set of supplementary planes specified in this Part.

NOTE – The Unicode Standard provides a set of characters, names, and coded representations that are identical with those in this Part of this International Standard. It additionally provides details of character properties, processing algorithms, and definitions that are useful to implementers.

Editor's Note: The specific version of the Unicode Standard will be provided in the final version.

2 Conformance

The Conformance clauses of ISO/IEC 10646 Part 1 also apply to this part.

3 Normative references

See ISO/IEC 10646-1.

4 Coding of characters

According to clause 6.2 of ISO/IEC 10646-1, in the canonical form of the coded character set, each character within the entire coded character set is represented by a sequence of four octets, each represented by two hexadecimal digits.

When referring to characters within planes 01 to 0F, an abbreviated form may be used. In this notation, the

leading hexadecimal three digits may be omitted. For example, the five-digit value 11100 corresponds to the canonical form 0001 1100 and the corresponding coded character is part of plane 01. When referring to characters within an identified plane, the leading four digits may also be omitted.

Editor's Note: This new coding format doesn't cover the last plane (10) reachable through UTF-16 as it would require six digits instead of the five-digit notation introduced here. This is considered acceptable, as the plane 10 is a Private Use plane and should not require numeric referencing in this document. The alternative is to create a six-digit coding format instead of five-digit.

A UCS Transformation Format (UTF-16) is specified in Annex C of ISO/IEC 10646-1 which can be used to represent all planes specified in this part. The following table provides the mapping between UCS-4 values expressed in 5 digits format and the pair of high-half zone value and low-half zone value.

Plane ranges	High-half and low-half zone values
10000-1FFFF	D800:DC00-D83F:DFFF
20000-2FFFF	D840:DC00-D87F:DFFF
E0000-EFFFF	DB80:DC00-DBBF:DFFF

A UCS Transformation Format (UTF-8) is also specified in Annex C of ISO/IEC 10646-1. In that transformation, the UCS-4 representation of characters specified in this part shall be used as the source for the mapping. Using the high-half zone value and low-half zone values as source for the mapping is undefined.

5 Definitions

In addition to the definitions specified by ISO/IEC 10646-1, the following definitions apply:

5.1 Part 1

Part 1 of ISO/IEC 10646.

5.2 Secondary Multilingual Plane for scripts and symbols (SMP)

Plane 01 of Group 00.

5.3 Supplementary Plane for CJK Ideographs (SIP)

Plane 02 of Group 00.

5.4 Special Purpose Plane (SPP)

Plane 0E of Group 00.

6 Secondary Multilingual Plane for scripts and symbols

The Plane 01 of Group 00 shall be the Secondary Multilingual Plane for scripts and symbols (SMP). Unlike the Basic Multilingual Plane (BMP), the SMP cannot be used as a two-octet coded character set.

As another plane is reserved for CJK Ideographs, the SMP shall not be used to encode them. The SMP con-

tains coded graphic characters used in all other significant scripts of the world (mostly extinct) that are not already slated for encoding in the BMP.

NOTE - The following subdivision of the SMP has been proposed:

- Alphabetic scripts,
- Hieroglyphic, ideographic and miscellaneous syllabaries,
- CJK ideographic derived scripts,
- Newly invented scripts,
- Symbol sets.

7 Supplementary Plane for CJK Ideographs

The Plane 02 of Group 00 shall be the Supplementary Plane for CJK Ideographs (SIP), and unlike the BMP, the SIP cannot be used as a two-octet coded character set.

The SIP is used for CJK unified ideographs (unified East Asian ideographs) that are not encoded in the BMP. The procedure for the unification and arrangement of the SIP CJK unified Ideographs is described in clause 10.2.

The SIP may also be used in the future for compatibility CJK ideographs. These ideographs will be compatibility characters as specified in clause 4.13 of ISO/IEC 10646-1.

8 Special Purpose Plane

The Plane 0E of Group 0 shall be the Special Purpose Plane (SPP). The SPP is used for special purpose use graphic characters. Some of these characters do not have a visual representation and do not have printable graphic symbols.

NOTE - For example, this plane includes the Tag Characters.

9 Special characters

This part of the standard contains some characters that do not have printable graphic symbols. These are all Alternate Format Characters as specified in clause 20 of ISO/IEC 10646-1. In addition to the TAGS block they are:

<u>Code</u>	<u>Name</u>
1D1A6	WESTERN MUSICAL SYMBOL TIE-START
1D1A7	WESTERN MUSICAL SYMBOL TIE-END
1D1A8	WESTERN MUSICAL SYMBOL BEAM-START
1D1A9	WESTERN MUSICAL SYMBOL BEAM-END
1D1AA	WESTERN MUSICAL SYMBOL SLUR-START
1D1AB	WESTERN MUSICAL SYMBOL SLUR-END
1D1AC	WESTERN MUSICAL SYMBOL PHRASE-START
1D1AD	WESTERN MUSICAL SYMBOL PHRASE-END

The Tag characters are discussed in clause 10.3 and annex D. The Western Musical special characters are discussed in annex E.

NOTE – Alternate Format Characters that are typically rendered by unaware processes are allocated within their respective symbol sets or scripts. Others are allocated in one of the three reserved areas for Alternate Format Characters as specified by Clause 8 of ISO/IEC 10646-1.

Editor's note: Clause 8 as amended by the Part1 Amendment attached to this document.

10 Planes content overview

10.1 Secondary Multilingual Plane for scripts and symbols

An overview of the Secondary Multilingual Plane for scripts and symbols is shown in figure 1. Detailed code tables and lists of character names for the planes are shown on the following pages.

Editor's Note: The Deseret repertoire was accepted by resolution WG2 M32.26. The Byzantine Musical Symbols repertoire was accepted by resolution WG2 M33.13. The Etruscan, Gothic and Western Musical Symbols repertoires were accepted by resolution WG2 M34.14. The Mathematical Alphanumeric Symbols repertoire was accepted by resolution WG2 M37.9.

Row-octet

00		
...		
03	Etruscan	Gothic
04	Deseret	
...		
D0	Byzantine Musical Symbols	
D1	Western Musical Symbols	
...		
D4	Mathematical Alphanumeric Symbols	
...		
D7		
...		
FF		

= reserved for future standardization

NOTE: Vertical boundaries within rows are indicated in approximate positions only.

Figure 1 – Overview of the Secondary Multilingual Plane for scripts and symbols

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TABLE 1 – Row 03: ETRUSCAN

	030	031	032
0	A	Γ	•
1	Β	M	I
2	<	Q	V
3	▷	P	X
4	ƒ	Σ	↑
5	F	T	Ж
6	I	Y	⊖
7	⊖	+	⊖
8	⊖	⊖	⊖
9	I	Y	⊖
A	K	8	
B	L	9	
C	ƒ	b	
D	N	†	
E	⊖	∨	
F	O		

G = 00
P = 01

TABLE 1 – Row 03: ETRUSCAN

hex	Name	hex	Name
00	ETRUSCAN LETTER A		
01	ETRUSCAN LETTER BE		
02	ETRUSCAN LETTER KE		
03	ETRUSCAN LETTER DE		
04	ETRUSCAN LETTER E		
05	ETRUSCAN LETTER VE		
06	ETRUSCAN LETTER ZE		
07	ETRUSCAN LETTER HE		
08	ETRUSCAN LETTER THE		
09	ETRUSCAN LETTER I		
0A	ETRUSCAN LETTER KA		
0B	ETRUSCAN LETTER EL		
0C	ETRUSCAN LETTER EM		
0D	ETRUSCAN LETTER EN		
0E	ETRUSCAN LETTER ESH		
0F	ETRUSCAN LETTER O (Faliscan)		
10	ETRUSCAN LETTER PE		
11	ETRUSCAN LETTER SHE		
12	ETRUSCAN LETTER KU		
13	ETRUSCAN LETTER ER		
14	ETRUSCAN LETTER ES		
15	ETRUSCAN LETTER TE		
16	ETRUSCAN LETTER U		
17	ETRUSCAN LETTER EKS (Faliscan)		
18	ETRUSCAN LETTER PHE		
19	ETRUSCAN LETTER KHE		
1A	ETRUSCAN LETTER EF		
1B	ETRUSCAN LETTER ERS (Umbrian)		
1C	ETRUSCAN LETTER CHE (Umbrian)		
1D	ETRUSCAN LETTER II (Oscan)		
1E	ETRUSCAN LETTER UU (Oscan)		
1F	(This position shall not be used)		
20	ETRUSCAN WORD SEPARATOR		
21	ETRUSCAN NUMERAL ONE		
22	ETRUSCAN NUMERAL FIVE		
23	ETRUSCAN NUMERAL TEN		
24	ETRUSCAN NUMERAL FIFTY		
25	ETRUSCAN NUMERAL ONE HUNDRED		
26	ETRUSCAN NUMERAL ALTERNATE ONE HUNDRED		
27	ETRUSCAN NUMERAL ONE THOUSAND		
28	ETRUSCAN NUMERAL ONE HUNDRED OR ONE THOUSAND		
29	ETRUSCAN NUMERAL ONE THOUSAND OR TEN THOUSAND		
2A	(This position shall not be used)		
2B	(This position shall not be used)		
2C	(This position shall not be used)		
2D	(This position shall not be used)		
2E	(This position shall not be used)		
2F	(This position shall not be used)		

Group 00

Plane 01

Row 03

TABLE 2 – Row 03: GOTHIC

	033	034
0	ʀ	ŋ
1	Ɔ	ŋ
2	Γ	ƥ
3	Ɔ	Ɔ
4	Ɔ	Ɔ
5	Ɔ	Ɔ
6	Ɔ	Ɔ
7	ŋ	Ɔ
8	Ɔ	Ɔ
9	Ɔ	Ɔ
A	Ɔ	Ɔ
B	Ɔ	Ɔ
C	Ɔ	
D	Ɔ	
E	Ɔ	
F	Ɔ	

G = 00
P = 01

TABLE 2 – Row 03: GOTHIC

hex	Name	hex	Name
30	GOTHIC LETTER AHSA		
31	GOTHIC LETTER BAIRKAN		
32	GOTHIC LETTER GIBA		
33	GOTHIC LETTER DAGS		
34	GOTHIC LETTER AIHVUS		
35	GOTHIC LETTER QAIRTHRA		
36	GOTHIC LETTER IUJA		
37	GOTHIC LETTER HAGL		
38	GOTHIC LETTER THIUTh		
39	GOTHIC LETTER EIS		
3A	GOTHIC LETTER EIS WITH DIAERESIS		
3B	GOTHIC LETTER KUSMA		
3C	GOTHIC LETTER LAGUS		
3D	GOTHIC LETTER MANNA		
3E	GOTHIC LETTER NAUTHS		
3F	GOTHIC LETTER JER		
40	GOTHIC LETTER URUS		
41	GOTHIC LETTER PAIRTHRA		
42	GOTHIC LETTER NINETY		
43	GOTHIC LETTER RAIDA		
44	GOTHIC LETTER SAUIL		
45	GOTHIC LETTER TEIWS		
46	GOTHIC LETTER WINJA		
47	GOTHIC LETTER FAIHU		
48	GOTHIC LETTER IGGWS		
49	GOTHIC LETTER HWAIR		
4A	GOTHIC LETTER OTHAL		
4B	GOTHIC LETTER NINE HUNDRED		
4C	(This position shall not be used)		
4D	(This position shall not be used)		
4E	(This position shall not be used)		
4F	(This position shall not be used)		

Group 00

Plane 01

Row 03

TABLE 3 – Row 04: DESERET

	040	041	042	043	044
0	᠔	᠕	᠖	᠗	᠘
1	᠑	᠒	᠓	᠔	᠕
2	᠖	᠗	᠘	᠙	᠐
3	᠑	᠒	᠓	᠔	᠕
4	᠖	᠗	᠘	᠙	᠐
5	᠑	᠒	᠓	᠔	᠕
6	᠖	᠗		᠙	᠐
7	᠑	᠒		᠔	᠕
8	᠖	᠗	᠘	᠙	᠐
9	᠑	᠒	᠓	᠔	᠕
A	᠖	᠗	᠘	᠙	᠐
B	᠑	᠒	᠓	᠔	᠕
C	᠖	᠗	᠘	᠙	᠐
D	᠑	᠒	᠓	᠔	᠕
E	᠖	᠗	᠘	᠙	
F	᠑	᠒	᠓	᠔	

G = 00
P = 01

TABLE 3 – Row 04: DESERET

hex	Name	hex	Name
00	DESERET CAPITAL LETTER LONG I		
01	DESERET CAPITAL LETTER LONG E		
02	DESERET CAPITAL LETTER LONG A		
03	DESERET CAPITAL LETTER LONG AH		
04	DESERET CAPITAL LETTER LONG O		
05	DESERET CAPITAL LETTER LONG OO		
06	DESERET CAPITAL LETTER SHORT I		
07	DESERET CAPITAL LETTER SHORT E		
08	DESERET CAPITAL LETTER SHORT A		
09	DESERET CAPITAL LETTER SHORT AH		
0A	DESERET CAPITAL LETTER SHORT O		
0B	DESERET CAPITAL LETTER SHORT OO		
0C	DESERET CAPITAL LETTER AY		
0D	DESERET CAPITAL LETTER OW		
0E	DESERET CAPITAL LETTER WU		
0F	DESERET CAPITAL LETTER YEE		
10	DESERET CAPITAL LETTER H		
11	DESERET CAPITAL LETTER PEE		
12	DESERET CAPITAL LETTER BEE		
13	DESERET CAPITAL LETTER TEE		
14	DESERET CAPITAL LETTER DEE		
15	DESERET CAPITAL LETTER CHEE		
16	DESERET CAPITAL LETTER JEE		
17	DESERET CAPITAL LETTER KAY		
18	DESERET CAPITAL LETTER GAY		
19	DESERET CAPITAL LETTER EF		
1A	DESERET CAPITAL LETTER VEE		
1B	DESERET CAPITAL LETTER ETH		
1C	DESERET CAPITAL LETTER THEE		
1D	DESERET CAPITAL LETTER ES		
1E	DESERET CAPITAL LETTER ZEE		
1F	DESERET CAPITAL LETTER ESH		
20	DESERET CAPITAL LETTER ZHEE		
21	DESERET CAPITAL LETTER ER		
22	DESERET CAPITAL LETTER EL		
23	DESERET CAPITAL LETTER EM		
24	DESERET CAPITAL LETTER EN		
25	DESERET CAPITAL LETTER ENG		
26	(This position shall not be used)		
27	(This position shall not be used)		
28	DESERET SMALL LETTER LONG I		
29	DESERET SMALL LETTER LONG E		
2A	DESERET SMALL LETTER LONG A		
2B	DESERET SMALL LETTER LONG AH		
2C	DESERET SMALL LETTER LONG O		
2D	DESERET SMALL LETTER LONG OO		
2E	DESERET SMALL LETTER SHORT I		
2F	DESERET SMALL LETTER SHORT E		
30	DESERET SMALL LETTER SHORT A		
31	DESERET SMALL LETTER SHORT AH		
32	DESERET SMALL LETTER SHORT O		
33	DESERET SMALL LETTER SHORT OO		
34	DESERET SMALL LETTER AY		
35	DESERET SMALL LETTER OW		
36	DESERET SMALL LETTER WU		
37	DESERET SMALL LETTER YEE		
38	DESERET SMALL LETTER H		
39	DESERET SMALL LETTER PEE		
3A	DESERET SMALL LETTER BEE		
3B	DESERET SMALL LETTER TEE		
3C	DESERET SMALL LETTER DEE		
3D	DESERET SMALL LETTER CHEE		
3E	DESERET SMALL LETTER JEE		
3F	DESERET SMALL LETTER KAY		
40	DESERET SMALL LETTER GAY		
41	DESERET SMALL LETTER EF		
42	DESERET SMALL LETTER VEE		
43	DESERET SMALL LETTER ETH		
44	DESERET SMALL LETTER THEE		
45	DESERET SMALL LETTER ES		
46	DESERET SMALL LETTER ZEE		
47	DESERET SMALL LETTER ESH		
48	DESERET SMALL LETTER ZHEE		
49	DESERET SMALL LETTER ER		
4A	DESERET SMALL LETTER EL		
4B	DESERET SMALL LETTER EM		
4C	DESERET SMALL LETTER EN		
4D	DESERET SMALL LETTER ENG		
4E	(This position shall not be used)		
4F	(This position shall not be used)		

Group 00

Plane 01

Row 04

TABLE 4 – Row D0: BYZANTINE MUSICAL SYMBOLS

	D00	D01	D02	D03	D04	D05	D06	D07
0								
1								
2								
3								
4								
5								
6								
7								
8								
9								
A								
B								
C								
D								
E								
F								

G = 00
P = 01

TABLE 4 – Row D0: BYZANTINE MUSICAL SYMBOLS

hex	Name	hex	Name
00	GREEK BYZANTINE MUSIC PSILI SIGN (u)	57	GREEK BYZANTINE MUSIC MIKRON ISON SIGN (m)
01	GREEK BYZANTINE MUSIC DASEIA SIGN (u)	58	GREEK BYZANTINE MUSIC VAREIA LATE SIGN (m)
02	GREEK BYZANTINE MUSIC PERISPOMENI SIGN (u)	59	GREEK BYZANTINE MUSIC PIASMA LATE SIGN (l)
03	GREEK BYZANTINE MUSIC OXEIA EKFONTIKON SIGN (u)	5A	GREEK BYZANTINE MUSIC PSIFISTON LATE SIGN (l)
04	GREEK BYZANTINE MUSIC OXEIA DIPLI SIGN (u)	5B	GREEK BYZANTINE MUSIC OMALON SIGN (l)
05	GREEK BYZANTINE MUSIC VAREIA EKFONTIKON SIGN (u)	5C	GREEK BYZANTINE MUSIC ANTIKENOMA SIGN (l)
06	GREEK BYZANTINE MUSIC VAREIA DIPLI SIGN (u)	5D	GREEK BYZANTINE MUSIC LYGISMA SIGN (l)
07	GREEK BYZANTINE MUSIC KATHISTI SIGN (u)	5E	GREEK BYZANTINE MUSIC PARAKLITIKI LATE SIGN (u)
08	GREEK BYZANTINE MUSIC SYRMATIKI SIGN (u)	5F	GREEK BYZANTINE MUSIC PARAKALESMA LATE SIGN (l)
09	GREEK BYZANTINE MUSIC PARAKLITIKI SIGN (u)	60	GREEK BYZANTINE MUSIC ETERON PARAKALESMA SIGN (l)
0A	GREEK BYZANTINE MUSIC YPOKRISIS SIGN (u)	61	GREEK BYZANTINE MUSIC KYLISMA SIGN (l)
0B	GREEK BYZANTINE MUSIC YPOKRISIS DIPLI SIGN (u)	62	GREEK BYZANTINE MUSIC ANTIKENOKYLISMA SIGN (l)
0C	GREEK BYZANTINE MUSIC KREMASTI SIGN (u)	63	GREEK BYZANTINE MUSIC TROMIKON LATE SIGN (l)
0D	GREEK BYZANTINE MUSIC APESO EKFONTIKON SIGN (l)	64	GREEK BYZANTINE MUSIC EKSTREPTON SIGN (l)
0E	GREEK BYZANTINE MUSIC EXO EKFONTIKON SIGN (u)	65	GREEK BYZANTINE MUSIC SYNAGMA LATE SIGN (l)
0F	GREEK BYZANTINE MUSIC TELEIA SIGN (m)	66	GREEK BYZANTINE MUSIC SYRMA SIGN (l)
10	GREEK BYZANTINE MUSIC KENTIMATA SIGN (u)	67	GREEK BYZANTINE MUSIC CHOREVMA LATE SIGN (l)
11	GREEK BYZANTINE MUSIC APOSTROFOS SIGN (m)	68	GREEK BYZANTINE MUSIC EPEGERMA SIGN (l)
12	GREEK BYZANTINE MUSIC APOSTROFOS DIPLI SIGN (m)	69	GREEK BYZANTINE MUSIC SEISMA LATE SIGN (l)
13	GREEK BYZANTINE MUSIC SYNEVMA SIGN (l)	6A	GREEK BYZANTINE MUSIC XIRON KLASMA SIGN (l)
14	GREEK BYZANTINE MUSIC THITA SIGN (u)	6B	GREEK BYZANTINE MUSIC TROMIKOPSFISTON SIGN (l)
15	GREEK BYZANTINE MUSIC OLIGON ARCHAIC SIGN (u)	6C	GREEK BYZANTINE MUSIC PSIFISTOLYGISMA SIGN (l)
16	GREEK BYZANTINE MUSIC GORGON ARCHAIC SIGN (u)	6D	GREEK BYZANTINE MUSIC TROMIKOLYGISMA SIGN (l)
17	GREEK BYZANTINE MUSIC PSILON SIGN (u)	6E	GREEK BYZANTINE MUSIC TROMIKOPARAKALESMA SIGN (l)
18	GREEK BYZANTINE MUSIC CHAMILON SIGN (u)	6F	GREEK BYZANTINE MUSIC PSIFISTOPARAKALESMA SIGN (l)
19	GREEK BYZANTINE MUSIC VATHY SIGN (u)	70	GREEK BYZANTINE MUSIC TROMIKOSYNAGMA SIGN (l)
1A	GREEK BYZANTINE MUSIC ISON ARCHAIC SIGN (u)	71	GREEK BYZANTINE MUSIC PSIFISTOSYNAGMA SIGN (l)
1B	GREEK BYZANTINE MUSIC KENTIMA ARCHAIC SIGN (u)	72	GREEK BYZANTINE MUSIC GORGOSYNTHETON SIGN (l)
1C	GREEK BYZANTINE MUSIC KENTIMATA ARCHAIC SIGN (u)	73	GREEK BYZANTINE MUSIC ARGOSYNTHETON SIGN (l)
1D	GREEK BYZANTINE MUSIC SAXIMATA SIGN (u)	74	GREEK BYZANTINE MUSIC ETERON ARGOSYNTHETON SIGN (l)
1E	GREEK BYZANTINE MUSIC PARICHON SIGN (u)	75	GREEK BYZANTINE MUSIC OYRANISMA LATE SIGN (l)
1F	GREEK BYZANTINE MUSIC STAVROS APODEXIA SIGN (u)	76	GREEK BYZANTINE MUSIC THEMATISMOS ESO SIGN (l)
20	GREEK BYZANTINE MUSIC OXEIAI ARCHAIC SIGN (u)	77	GREEK BYZANTINE MUSIC THEMATISMOS EXO SIGN (u)
21	GREEK BYZANTINE MUSIC VAREIAI ARCHAIC SIGN (m)	78	GREEK BYZANTINE MUSIC THEMA APLOUN SIGN (l)
22	GREEK BYZANTINE MUSIC APODERMA ARCHAIC SIGN (l)	79	GREEK BYZANTINE MUSIC THES KAI APOTHES SIGN (l)
23	GREEK BYZANTINE MUSIC APOTHEMA SIGN (l)	7A	GREEK BYZANTINE MUSIC KATAVASMA SIGN (l)
24	GREEK BYZANTINE MUSIC KLASMA SIGN (u)	7B	GREEK BYZANTINE MUSIC ENDOFONON SIGN (l)
25	GREEK BYZANTINE MUSIC REVMA SIGN (u)	7C	GREEK BYZANTINE MUSIC YFEN KATO SIGN (l)
26	GREEK BYZANTINE MUSIC PIASMA ARCHAIC SIGN (u)	7D	GREEK BYZANTINE MUSIC YFEN ANO SIGN (u)
27	GREEK BYZANTINE MUSIC TINAGMA SIGN (l)	7E	GREEK BYZANTINE MUSIC STAVROS SIGN (u)
28	GREEK BYZANTINE MUSIC ANATRICHISMA SIGN (u)	7F	GREEK BYZANTINE MUSIC KLASMA ANO SIGN (u)
29	GREEK BYZANTINE MUSIC SEISMA SIGN (l)		
2A	GREEK BYZANTINE MUSIC SYNAGMA ARCHAIC SIGN (l)		
2B	GREEK BYZANTINE MUSIC SYNAGMA METASTAVROU SIGN (l)		
2C	GREEK BYZANTINE MUSIC OYRANISMA ARCHAIC SIGN (u)		
2D	GREEK BYZANTINE MUSIC THEMA SIGN (l)		
2E	GREEK BYZANTINE MUSIC LEMOI SIGN (l)		
2F	GREEK BYZANTINE MUSIC DYOSIGN (m)		
30	GREEK BYZANTINE MUSIC TRIA SIGN (m)		
31	GREEK BYZANTINE MUSIC TESSERA SIGN (m)		
32	GREEK BYZANTINE MUSIC KRATIMATA SIGN (l)		
33	GREEK BYZANTINE MUSIC APESO EXO LATE SIGN (m)		
34	GREEK BYZANTINE MUSIC FTHORA ARCHAIC SIGN (u)		
35	GREEK BYZANTINE MUSIC IMIFTHORA SIGN (u)		
36	GREEK BYZANTINE MUSIC TROMIKON ARCHAIC SIGN (l)		
37	GREEK BYZANTINE MUSIC KATAVA TROMIKON SIGN (u)		
38	GREEK BYZANTINE MUSIC PELASTON SIGN (u)		
39	GREEK BYZANTINE MUSIC PSIFISTON SIGN (u)		
3A	GREEK BYZANTINE MUSIC KONTEVMA SIGN (u)		
3B	GREEK BYZANTINE MUSIC CHOREVMA ARCHAIC SIGN (u)		
3C	GREEK BYZANTINE MUSIC RAPISMA SIGN (u)		
3D	GREEK BYZANTINE MUSIC PARAKALESMA ARCHAIC SIGN (l)		
3E	GREEK BYZANTINE MUSIC PARAKLITIKI ARCHAIC SIGN (u)		
3F	GREEK BYZANTINE MUSIC ICHADIN SIGN (u)		
40	GREEK BYZANTINE MUSIC NANA SIGN (m)		
41	GREEK BYZANTINE MUSIC PETASMA SIGN (u)		
42	GREEK BYZANTINE MUSIC KONTEVMA ALLO SIGN (u)		
43	GREEK BYZANTINE MUSIC TROMIKON ALLO SIGN (u)		
44	GREEK BYZANTINE MUSIC STRAGGISMATA SIGN (l)		
45	GREEK BYZANTINE MUSIC GRONTHISMATA SIGN (l)		
46	GREEK BYZANTINE MUSIC ISON LATE SIGN (m)		
47	GREEK BYZANTINE MUSIC OLIGON LATE SIGN (m)		
48	GREEK BYZANTINE MUSIC OXEIA LATE SIGN (m)		
49	GREEK BYZANTINE MUSIC PETASTI SIGN (m)		
4A	GREEK BYZANTINE MUSIC KOUFISMA SIGN (m)		
4B	GREEK BYZANTINE MUSIC PETASTOKOUFISMA SIGN (m)		
4C	GREEK BYZANTINE MUSIC KRATIMOKOUFISMA SIGN (m)		
4D	GREEK BYZANTINE MUSIC PELASTON LATE SIGN (m)		
4E	GREEK BYZANTINE MUSIC KENTIMATA LATE ANO SIGN (u)		
4F	GREEK BYZANTINE MUSIC KENTIMA LATE ANO SIGN (u)		
50	GREEK BYZANTINE MUSIC YPSILI SIGN (u)		
51	GREEK BYZANTINE MUSIC APOSTROFOS LATE SIGN (m)		
52	GREEK BYZANTINE MUSIC APOSTROFOI SYNDESMOS LATE SIGN (m)		
53	GREEK BYZANTINE MUSIC YPORROI SIGN (m)		
54	GREEK BYZANTINE MUSIC KRATIMOYPORROON SIGN (m)		
55	GREEK BYZANTINE MUSIC ELAFRON SIGN (m)		
56	GREEK BYZANTINE MUSIC CHAMILI SIGN (m)		

TABLE 5 – Row D0: BYZANTINE MUSICAL SYMBOLS

	D08	D09	D0A	D0B	D0C	D0D	D0E	D0F
0	ⲁ	Ⲃ	Ⲃⲃ	ⲂⲄ	Ⲃⲅ	ⲂⲆ	Ⲃⲇ	ⲂⲈ
1	Ⲃⲉ	ⲂⲆ	ⲂⲇⲈ	Ⲃⲉ	ⲂⲆ	Ⲃⲇ	ⲂⲈ	Ⲃⲉ
2	ⲂⲆ	Ⲃⲇ	ⲂⲈ	Ⲃⲉ	ⲂⲆ	Ⲃⲇ	ⲂⲈ	Ⲃⲉ
3	ⲂⲆ	Ⲃⲇ	ⲂⲈ	Ⲃⲉ	ⲂⲆ	Ⲃⲇ	ⲂⲈ	Ⲃⲉ
4	ⲂⲆ	Ⲃⲇ	ⲂⲈ	Ⲃⲉ	ⲂⲆ	Ⲃⲇ	ⲂⲈ	Ⲃⲉ
5	ⲂⲆ	Ⲃⲇ	ⲂⲈ	Ⲃⲉ	ⲂⲆ	Ⲃⲇ	ⲂⲈ	Ⲃⲉ
6	ⲂⲆ	Ⲃⲇ	ⲂⲈ	Ⲃⲉ	ⲂⲆ	Ⲃⲇ	ⲂⲈ	
7	ⲂⲆ	Ⲃⲇ	ⲂⲈ	Ⲃⲉ	ⲂⲆ	Ⲃⲇ	ⲂⲈ	
8	ⲂⲆ	Ⲃⲇ	ⲂⲈ	Ⲃⲉ	ⲂⲆ	Ⲃⲇ	ⲂⲈ	
9	ⲂⲆ	Ⲃⲇ	ⲂⲈ	Ⲃⲉ	ⲂⲆ	Ⲃⲇ	ⲂⲈ	
A	ⲂⲆ	Ⲃⲇ	ⲂⲈ	Ⲃⲉ	ⲂⲆ	Ⲃⲇ	ⲂⲈ	
B	ⲂⲆ	Ⲃⲇ	ⲂⲈ	Ⲃⲉ	ⲂⲆ	Ⲃⲇ	ⲂⲈ	
C	ⲂⲆ	Ⲃⲇ	ⲂⲈ	Ⲃⲉ	ⲂⲆ	Ⲃⲇ	ⲂⲈ	
D	ⲂⲆ	Ⲃⲇ	ⲂⲈ	Ⲃⲉ	ⲂⲆ	Ⲃⲇ	ⲂⲈ	
E	ⲂⲆ	Ⲃⲇ	ⲂⲈ	Ⲃⲉ	ⲂⲆ	Ⲃⲇ	ⲂⲈ	
F	ⲂⲆ	Ⲃⲇ	ⲂⲈ	Ⲃⲉ	ⲂⲆ	Ⲃⲇ	ⲂⲈ	

G = 00

P = 01

TABLE 5 – Row D0: BYZANTINE MUSICAL SYMBOLS

hex	Name	hex	Name
80	GREEK BYZANTINE MUSIC DIPLI ARCHAIC SIGN (l)	C6	GREEK BYZANTINE MUSIC FTHORA SKLIRON CHROMA SYNAFI SIGN (u)
81	GREEK BYZANTINE MUSIC KRATIMA ARCHAIC SIGN (l)	C7	GREEK BYZANTINE MUSIC FTHORA NENANO SIGN (u)
82	GREEK BYZANTINE MUSIC KRATIMA ALLO SIGN (l)	C8	GREEK BYZANTINE MUSIC CHROA ZYGOS SIGN (u)
83	GREEK BYZANTINE MUSIC KRATIMA LATE SIGN (l)	C9	GREEK BYZANTINE MUSIC CHROA KLITON SIGN (u)
84	GREEK BYZANTINE MUSIC APODERMA LATE SIGN (l)	CA	GREEK BYZANTINE MUSIC CHROA SPATHI SIGN (u)
85	GREEK BYZANTINE MUSIC APLI SIGN (l)	CB	GREEK BYZANTINE MUSIC FTHORA I YFESIS TETARTIMORION SIGN (u)
86	GREEK BYZANTINE MUSIC DIPLI SIGN (l)	CC	GREEK BYZANTINE MUSIC FTHORA ENARMONIOS ANTIFONIA SIGN (u)
87	GREEK BYZANTINE MUSIC TRIPLI SIGN (l)	CD	GREEK BYZANTINE MUSIC YFESIS TRITIMORION SIGN (u)
88	GREEK BYZANTINE MUSIC TETRAPLI SIGN (l)	CE	GREEK BYZANTINE MUSIC DIESIS TRITIMORION SIGN (l)
89	GREEK BYZANTINE MUSIC KORONIS SIGN (u)	CF	GREEK BYZANTINE MUSIC DIESIS TETARTIMORION SIGN (l)
8A	GREEK BYZANTINE MUSIC LEIMMA ENOS CHRONOU SIGN (m)	D0	GREEK BYZANTINE MUSIC DIESIS APLI DY0 DODEKATA SIGN (l)
8B	GREEK BYZANTINE MUSIC LEIMMA DY0 CHRONON SIGN (m)	D1	GREEK BYZANTINE MUSIC DIESIS MONOGRAMMOS TESSERA DODEKATA SIGN (l)
8C	GREEK BYZANTINE MUSIC LEIMMA TRION CHRONON SIGN (m)	D2	GREEK BYZANTINE MUSIC DIESIS DIGRAMMOS EX DODEKATA SIGN (l)
8D	GREEK BYZANTINE MUSIC LEIMMA TESSARON CHRONON SIGN (m)	D3	GREEK BYZANTINE MUSIC DIESIS TRIGRAMMOS OKTO DODEKATA SIGN (l)
8E	GREEK BYZANTINE MUSIC LEIMMA IMISEOS CHRONOU SIGN (m)	D4	GREEK BYZANTINE MUSIC YFESIS APLI DY0 DODEKATA SIGN
8F	GREEK BYZANTINE MUSIC GORGON LATE ANO SIGN (u)	D5	GREEK BYZANTINE MUSIC YFESIS MONOGRAMMOS TESSERA DODEKATA SIGN (u)
90	GREEK BYZANTINE MUSIC GORGON PARESTIGMENON ARISTERA SIGN (u)	D6	GREEK BYZANTINE MUSIC YFESIS DIGRAMMOS EX DODEKATA (u)
91	GREEK BYZANTINE MUSIC GORGON PARESTIGMENON DEXIA SIGN (u)	D7	GREEK BYZANTINE MUSIC YFESIS TRIGRAMMOS OKTO DODEKATA SIGN (u)
92	GREEK BYZANTINE MUSIC DIGORGON SIGN (u)	D8	GREEK BYZANTINE MUSIC GENIKI DIESIS SIGN (u)
93	GREEK BYZANTINE MUSIC DIGORGON PARESTIGMENON ARISTERA KATO SIGN (u)	D9	GREEK BYZANTINE MUSIC GENIKI YFESIS SIGN (u)
94	GREEK BYZANTINE MUSIC DIGORGON PARESTIGMENON ARISTERA ANO SIGN (u)	DA	GREEK BYZANTINE MUSIC DIASTOLI APLI MIKRI SIGN (u)
95	GREEK BYZANTINE MUSIC DIGORGON PARESTIGMENON DEXIA SIGN (u)	DB	GREEK BYZANTINE MUSIC DIASTOLI APLI MEGALI SIGN (u)
96	GREEK BYZANTINE MUSIC TRIGORGON SIGN (u)	DC	GREEK BYZANTINE MUSIC DIASTOLI DIPLI SIGN (u)
97	GREEK BYZANTINE MUSIC ARGON SIGN (u)	DD	GREEK BYZANTINE MUSIC DIASTOLI THESEOS SIGN (u)
98	GREEK BYZANTINE MUSIC IMIDIARGON SIGN (u)	DE	GREEK BYZANTINE MUSIC SIMANSIS THESEOS SIGN
99	GREEK BYZANTINE MUSIC DIARGON SIGN (u)	DF	GREEK BYZANTINE MUSIC SIMANSIS THESEOS DISIMOUI SIGN
9A	GREEK BYZANTINE MUSIC AGOGI POLI ARGI SIGN (u)	E0	GREEK BYZANTINE MUSIC SIMANSIS THESEOS TRISIMOUI SIGN
9B	GREEK BYZANTINE MUSIC AGOGI ARGOTERI SIGN (u)	E1	GREEK BYZANTINE MUSIC SIMANSIS THESEOS TETRASIMOUI SIGN
9C	GREEK BYZANTINE MUSIC AGOGI ARGI SIGN (u)	E2	GREEK BYZANTINE MUSIC SIMANSIS ARSEOS SIGN
9D	GREEK BYZANTINE MUSIC AGOGI METRIA SIGN (u)	E3	GREEK BYZANTINE MUSIC SIMANSIS ARSEOS DISIMOUI SIGN
9E	GREEK BYZANTINE MUSIC AGOGI MESI SIGN (u)	E4	GREEK BYZANTINE MUSIC SIMANSIS ARSEOS TRISIMOUI SIGN
9F	GREEK BYZANTINE MUSIC AGOGI GORGI SIGN (u)	E5	GREEK BYZANTINE MUSIC SIMANSIS ARSEOS TETRASIMOUI SIGN
A0	GREEK BYZANTINE MUSIC AGOGI GORGOTERI SIGN (u)	E6	GREEK BYZANTINE MUSIC DIGRAMMA GG SIGN
A1	GREEK BYZANTINE MUSIC AGOGI POLI GORGI SIGN (u)	E7	GREEK BYZANTINE MUSIC DIFTOGGOS OU SIGN
A2	GREEK BYZANTINE MUSIC AGOGI POLI GORGI SIGN (u)	E8	GREEK BYZANTINE MUSIC STIGMA SIGN
A3	GREEK BYZANTINE MUSIC MARTYRIA PROTOS ICHOS SIGN (m)	E9	GREEK BYZANTINE MUSIC ARKTIKO PA SIGN
A4	GREEK BYZANTINE MUSIC MARTYRIA ALLI PROTOS ICHOS SIGN (m)	EA	GREEK BYZANTINE MUSIC ARKTIKO VOU SIGN
A5	GREEK BYZANTINE MUSIC MARTYRIA DEYTEROS ICHOS SIGN (m)	EB	GREEK BYZANTINE MUSIC ARKTIKO GA SIGN
A6	GREEK BYZANTINE MUSIC MARTYRIA TRITOS ICHOS SIGN (m)	EC	GREEK BYZANTINE MUSIC ARKTIKO DI SIGN
A7	GREEK BYZANTINE MUSIC MARTYRIA TRIFONIAS SIGN (m)	ED	GREEK BYZANTINE MUSIC ARKTIKO KE SIGN
A8	GREEK BYZANTINE MUSIC MARTYRIA TETARTOS ICHOS SIGN (m)	EE	GREEK BYZANTINE MUSIC ARKTIKO ZO SIGN
A9	GREEK BYZANTINE MUSIC MARTYRIA TETARTOS LEGETOS (ICHOS) SIGN (m)	EF	GREEK BYZANTINE MUSIC ARKTIKO NI SIGN
AA	GREEK BYZANTINE MUSIC MARTYRIA LEGETOS ICHOS SIGN (m)	F0	GREEK BYZANTINE MUSIC KENTIMATA LATE MESO SIGN (m)
AB	GREEK BYZANTINE MUSIC MARTYRIA PLAGIOS ICHOS SIGN (m)	F1	GREEK BYZANTINE MUSIC KENTIMATA LATE MESO SIGN (m)
AC	GREEK BYZANTINE MUSIC ISAKIA TELOUS ICHIMATOS SIGN (m)	F2	GREEK BYZANTINE MUSIC KENTIMATA LATE KATO SIGN (l)
AD	GREEK BYZANTINE MUSIC APOSTROFOI TELOUS ICHIMATOS SIGN (m)	F3	GREEK BYZANTINE MUSIC KENTIMATA LATE KATO SIGN (l)
AE	GREEK BYZANTINE MUSIC FANEROSIS TETRAFONIAS SIGN (u)	F4	GREEK BYZANTINE MUSIC KENTIMATA LATE KATO SIGN (l)
AF	GREEK BYZANTINE MUSIC FANEROSIS MONOFONIAS SIGN (u)	F5	GREEK BYZANTINE MUSIC KLASMA KATO SIGN (l)
B0	GREEK BYZANTINE MUSIC FANEROSIS DIFONIAS SIGN (u)	F6	GREEK BYZANTINE MUSIC GORGON LATE KATO SIGN (l)
B1	GREEK BYZANTINE MUSIC MARTYRIA VARYS ICHOS SIGN (m)	F7	(This position shall not be used)
B2	GREEK BYZANTINE MUSIC MARTYRIA PROTOVARYS ICHOS SIGN (m)	F8	(This position shall not be used)
B3	GREEK BYZANTINE MUSIC MARTYRIA PLAGIOS TETARTOS ICHOS SIGN (m)	F9	(This position shall not be used)
B4	GREEK BYZANTINE MUSIC GORTHMIKON N APLOUN SIGN (m)	FA	(This position shall not be used)
B5	GREEK BYZANTINE MUSIC GORTHMIKON N DIPLOUN SIGN	FB	(This position shall not be used)
B6	GREEK BYZANTINE MUSIC ENARXIS KAI FTHORA VOU (u)	FC	(This position shall not be used)
B7	GREEK BYZANTINE MUSIC IMIFONON SIGN (l)	FD	(This position shall not be used)
B8	GREEK BYZANTINE MUSIC IMIFTHORON SIGN (l)	FE	(This position shall not be used)
B9	GREEK BYZANTINE MUSIC FTHORA ARCHAIC DEYTEROU ICHOU SIGN (u)	FF	(This position shall not be used)
BA	GREEK BYZANTINE MUSIC FTHORA DIATONIKI PA SIGN (u)		
BB	GREEK BYZANTINE MUSIC FTHORA DIATONIKI NANA SIGN (u)		
BC	GREEK BYZANTINE MUSIC FTHORA NAOS ICHOS SIGN (l)		
BD	GREEK BYZANTINE MUSIC FTHORA DIATONIKI DI SIGN (u)		
BE	GREEK BYZANTINE MUSIC FTHORA SKLIRON DIATONON DI SIGN (u)		
BF	GREEK BYZANTINE MUSIC FTHORA DIATONIKI KE SIGN (u)		
C0	GREEK BYZANTINE MUSIC FTHORA DIATONIKI ZO SIGN (u)		
C1	GREEK BYZANTINE MUSIC FTHORA DIATONIKI NI KATO SIGN (u)		
C2	GREEK BYZANTINE MUSIC FTHORA DIATONIKI NI ANO SIGN (u)		
C3	GREEK BYZANTINE MUSIC FTHORA MALAKON CHROMA DIFONIAS SIGN (u)		
C4	GREEK BYZANTINE MUSIC FTHORA MALAKON CHROMA MONOFONIAS SIGN (u)		
C5	GREEK BYZANTINE MUSIC FHTORA SKLIRON CHROMA VASIS SIGN (u)		

TABLE 6 – Row D1: WESTERN MUSICAL SYMBOLS

	D10	D11	D12	D13	D14	D15	D16	D17
0								
1			<i>r</i>					
2			<i>s</i>					
3			<i>z</i>					
4					<i>p</i>			
5					<i>m</i>			
6					<i>f</i>			
7								
8								
9								
A								
B								
C		<i>7</i>	<i>:</i>					
D	<i>F</i>		<i>D.S.</i>					
E	<i>N</i>		<i>D.C.</i>					
F								

G = 00
P = 01

TABLE 6 – Row D1: WESTERN MUSICAL SYMBOLS

hex	Name	hex	Name
00	WESTERN MUSICAL SYMBOL SHARP	58	WESTERN MUSICAL SYMBOL UP BOW
01	WESTERN MUSICAL SYMBOL FLAT	59	WESTERN MUSICAL SYMBOL HARMONIC
02	WESTERN MUSICAL SYMBOL NATURAL	5A	WESTERN MUSICAL SYMBOL SNAP PIZZICATO
03	WESTERN MUSICAL SYMBOL DOUBLE SHARP	5B	WESTERN MUSICAL SYMBOL PEDAL MARK
04	WESTERN MUSICAL SYMBOL DOUBLE FLAT	5C	WESTERN MUSICAL SYMBOL PEDAL UP MARK
05	WESTERN MUSICAL SYMBOL FLAT UP	5D	WESTERN MUSICAL SYMBOL HALF PEDAL MARK
06	WESTERN MUSICAL SYMBOL FLAT DOWN	5E	WESTERN MUSICAL SYMBOL GLISSANDO UP
07	WESTERN MUSICAL SYMBOL NATURAL UP	5F	WESTERN MUSICAL SYMBOL GLISSANDO DOWN
08	WESTERN MUSICAL SYMBOL NATURAL DOWN	60	WESTERN MUSICAL SYMBOL WITH FINGERNAILS
09	WESTERN MUSICAL SYMBOL SHARP UP	61	WESTERN MUSICAL SYMBOL DAMP
0A	WESTERN MUSICAL SYMBOL SHARP DOWN	62	WESTERN MUSICAL SYMBOL DAMP ALL
0B	WESTERN MUSICAL SYMBOL QUARTER TONE SHARP	63	WESTERN MUSICAL SYMBOL MAXIMA
0C	WESTERN MUSICAL SYMBOL QUARTER TONE FLAT	64	WESTERN MUSICAL SYMBOL LONGA
0D	WESTERN MUSICAL SYMBOL HAUPSTIMME	65	WESTERN MUSICAL SYMBOL BREVIS
0E	WESTERN MUSICAL SYMBOL NEBENSTIMME	66	WESTERN MUSICAL SYMBOL SEMIBREVIS WHITE
0F	WESTERN MUSICAL SYMBOL DEGREE SLASH	67	WESTERN MUSICAL SYMBOL SEMIBREVIS BLACK
10	WESTERN MUSICAL SYMBOL ACCENT	68	WESTERN MUSICAL SYMBOL MINIMA
11	WESTERN MUSICAL SYMBOL STACCATO	69	WESTERN MUSICAL SYMBOL MINIMA BLACK
12	WESTERN MUSICAL SYMBOL TENUTO	6A	WESTERN MUSICAL SYMBOL SEMIMINIMA WHITE
13	WESTERN MUSICAL SYMBOL STACCATISSIMO	6B	WESTERN MUSICAL SYMBOL SEMIMINIMA BLACK
14	WESTERN MUSICAL SYMBOL MARCATO	6C	WESTERN MUSICAL SYMBOL FUSA WHITE
15	WESTERN MUSICAL SYMBOL MARCATO-STACCATO	6D	WESTERN MUSICAL SYMBOL FUSA BLACK
16	WESTERN MUSICAL SYMBOL ACCENT-STACCATO	6E	WESTERN MUSICAL SYMBOL LONGA PERFECTA REST
17	WESTERN MUSICAL SYMBOL LOURE	6F	WESTERN MUSICAL SYMBOL LONGA IMPERFECTA REST
18	WESTERN MUSICAL SYMBOL ARPEGGIATO UP	70	WESTERN MUSICAL SYMBOL BREVIS REST
19	WESTERN MUSICAL SYMBOL ARPEGGIATO DOWN	71	WESTERN MUSICAL SYMBOL SEMIBREVIS REST
1A	WESTERN MUSICAL SYMBOL DOIT	72	WESTERN MUSICAL SYMBOL MINIMA REST
1B	WESTERN MUSICAL SYMBOL RIP	73	WESTERN MUSICAL SYMBOL SEMIMINIMA REST
1C	WESTERN MUSICAL SYMBOL FLIP	74	WESTERN MUSICAL SYMBOL TEMPUS PERFECTUM CUM PROLATIONE PERFECTA
1D	WESTERN MUSICAL SYMBOL SMEAR	75	WESTERN MUSICAL SYMBOL TEMPUS PERFECTUM CUM PROLATIONE IMPERFECTA
1E	WESTERN MUSICAL SYMBOL BEND	76	WESTERN MUSICAL SYMBOL TEMPUS PERFECTUM CUM PROLATIONE PERFECTA DIMINUTION ONE
1F	WESTERN MUSICAL SYMBOL DOUBLE TONGUE	77	WESTERN MUSICAL SYMBOL TEMPUS IMPERFECTUM CUM PROLATIONE PERFECTA
20	WESTERN MUSICAL SYMBOL TRIPLE TONGUE	78	WESTERN MUSICAL SYMBOL TEMPUS IMPERFECTUM CUM PROLATIONE IMPERFECTA
21	WESTERN MUSICAL SYMBOL RINFORZANDO	79	WESTERN MUSICAL SYMBOL TEMPUS IMPERFECTUM CUM PROLATIONE IMPERFECTA DIMINUTION ONE
22	WESTERN MUSICAL SYMBOL SUBITO	7A	WESTERN MUSICAL SYMBOL TEMPUS IMPERFECTUM CUM PROLATIONE IMPERFECTA DIMINUTION TWO
23	WESTERN MUSICAL SYMBOL Z	7B	WESTERN MUSICAL SYMBOL TEMPUS IMPERFECTUM CUM PROLATIONE IMPERFECTA DIMINUTION THREE
24	WESTERN MUSICAL SYMBOL SINGLE BARLINE	7C	WESTERN MUSICAL SYMBOL CROIX
25	WESTERN MUSICAL SYMBOL DOUBLE BARLINE	7D	WESTERN MUSICAL SYMBOL X NOTEHEAD
26	WESTERN MUSICAL SYMBOL FINAL BARLINE	7E	WESTERN MUSICAL SYMBOL PLUS NOTEHEAD
27	WESTERN MUSICAL SYMBOL REVERSE FINAL BARLINE	7F	WESTERN MUSICAL SYMBOL CIRCLE X NOTEHEAD
28	WESTERN MUSICAL SYMBOL DASHED BARLINE		
29	WESTERN MUSICAL SYMBOL SHORT BARLINE		
2A	WESTERN MUSICAL SYMBOL LEFT REPEAT SIGN		
2B	WESTERN MUSICAL SYMBOL RIGHT REPEAT SIGN		
2C	WESTERN MUSICAL SYMBOL REPEAT DOTS		
2D	WESTERN MUSICAL SYMBOL DAL SEGNO		
2E	WESTERN MUSICAL SYMBOL DA CAPO		
2F	WESTERN MUSICAL SYMBOL SEGNO		
30	WESTERN MUSICAL SYMBOL CODA		
31	WESTERN MUSICAL SYMBOL REPEATED FIGURE ONE		
32	WESTERN MUSICAL SYMBOL REPEATED FIGURE TWO		
33	WESTERN MUSICAL SYMBOL REPEATED FIGURE THREE		
34	WESTERN MUSICAL SYMBOL FERMATA		
35	WESTERN MUSICAL SYMBOL FERMATA UNDER		
36	WESTERN MUSICAL SYMBOL BREATH MARK		
37	WESTERN MUSICAL SYMBOL CAESURA		
38	WESTERN MUSICAL SYMBOL BRACE		
39	WESTERN MUSICAL SYMBOL BRACKET		
3A	WESTERN MUSICAL SYMBOL G CLEF		
3B	WESTERN MUSICAL SYMBOL G CLEF OTTAVA ALTA		
3C	WESTERN MUSICAL SYMBOL G CLEF OTTAVA BASSA		
3D	WESTERN MUSICAL SYMBOL C CLEF		
3E	WESTERN MUSICAL SYMBOL OLD C CLEF		
3F	WESTERN MUSICAL SYMBOL F CLEF		
40	WESTERN MUSICAL SYMBOL F CLEF OTTAVA ALTA		
41	WESTERN MUSICAL SYMBOL F CLEF OTTAVA BASSA		
42	WESTERN MUSICAL SYMBOL DRUM CLEF ONE		
43	WESTERN MUSICAL SYMBOL DRUM CLEF TWO		
44	WESTERN MUSICAL SYMBOL PIANO		
45	WESTERN MUSICAL SYMBOL MEZZO		
46	WESTERN MUSICAL SYMBOL FORTE		
47	WESTERN MUSICAL SYMBOL CRESCENDO		
48	WESTERN MUSICAL SYMBOL DECRESCENDO		
49	WESTERN MUSICAL SYMBOL GREGORIAN C CLEF		
4A	WESTERN MUSICAL SYMBOL GREGORIAN F CLEF		
4B	WESTERN MUSICAL SYMBOL SQUARE B		
4C	WESTERN MUSICAL SYMBOL VIRGA		
4D	WESTERN MUSICAL SYMBOL PODATUS		
4E	WESTERN MUSICAL SYMBOL CLIVIS		
4F	WESTERN MUSICAL SYMBOL SCANDICUS		
50	WESTERN MUSICAL SYMBOL CLIMACUS		
51	WESTERN MUSICAL SYMBOL TORCULUS		
52	WESTERN MUSICAL SYMBOL PORRECTUS		
53	WESTERN MUSICAL SYMBOL PORRECTUS FLEXUS		
54	WESTERN MUSICAL SYMBOL SCANDICUS FLEXUS		
55	WESTERN MUSICAL SYMBOL TORCULUS RESUPINUS		
56	WESTERN MUSICAL SYMBOL PES SUBPUNCTIS		
57	WESTERN MUSICAL SYMBOL DOWN BOW		

TABLE 7 – Row D1: WESTERN MUSICAL SYMBOLS

	D18	D19	D1A	D1B	D1C	D1D	D1E	D1F
0	□	○		15 ^{ma}	C			
1	■	◌		15 ^{mb}	◌			
2	△	NULL NOTE HEAD			◌			
3	▲	●			◌			
4	▾	◻		<i>tr</i>				
5	▹	▬	·	∞				
6	▵		TIE- START	∞				
7	▹	✱	TIE- END	∞				
8	▾	┆	BEAM- START	∞	γ			
9	▾	≠	BEAM- END	∞	γ			
A	▾	≠	SLUR- START	∞	γ	C		
B	▾	≠	SLUR- END	∞	γ	C		
C	◻	◻	PHRASE START)				
D	◻	◻	PHRASE END)	—			
E	▾		8 ^{va}		≡			
F	▾		8 ^{vb}	◌	≡			

G = 00
P = 01

TABLE 7 – Row D1: WESTERN MUSICAL SYMBOLS

hex	Name	hex	Name
80	WESTERN MUSICAL SYMBOL SQUARE NOTEHEAD WHITE	CE	WESTERN MUSICAL SYMBOL TWO-LINE STAFF
81	WESTERN MUSICAL SYMBOL SQUARE NOTEHEAD BLACK	CF	WESTERN MUSICAL SYMBOL THREE-LINE STAFF
82	WESTERN MUSICAL SYMBOL TRIANGLE NOTEHEAD UP WHITE	D0	WESTERN MUSICAL SYMBOL FOUR-LINE STAFF
83	WESTERN MUSICAL SYMBOL TRIANGLE NOTEHEAD UP BLACK	D1	WESTERN MUSICAL SYMBOL FIVE-LINE STAFF
84	WESTERN MUSICAL SYMBOL TRIANGLE NOTEHEAD LEFT WHITE	D2	WESTERN MUSICAL SYMBOL SIX-LINE STAFF
85	WESTERN MUSICAL SYMBOL TRIANGLE NOTEHEAD LEFT BLACK	D3	WESTERN MUSICAL SYMBOL STEM PLUS FLAG ONE
86	WESTERN MUSICAL SYMBOL TRIANGLE NOTEHEAD RIGHT WHITE	D4	WESTERN MUSICAL SYMBOL STEM PLUS FLAG TWO
87	WESTERN MUSICAL SYMBOL TRIANGLE NOTEHEAD RIGHT BLACK	D5	WESTERN MUSICAL SYMBOL STEM PLUS FLAG THREE
88	WESTERN MUSICAL SYMBOL TRIANGLE NOTEHEAD DOWN WHITE	D6	WESTERN MUSICAL SYMBOL STEM PLUS FLAG FOUR
89	WESTERN MUSICAL SYMBOL TRIANGLE NOTEHEAD DOWN BLACK	D7	WESTERN MUSICAL SYMBOL STEM PLUS FLAG FIVE
8A	WESTERN MUSICAL SYMBOL TRIANGLE NOTEHEAD UP RIGHT WHITE	D8	WESTERN MUSICAL SYMBOL SIX-STRING FRETBOARD
8B	WESTERN MUSICAL SYMBOL TRIANGLE NOTEHEAD UP RIGHT BLACK	D9	WESTERN MUSICAL SYMBOL FOUR-STRING FRETBOARD
8C	WESTERN MUSICAL SYMBOL MOON NOTEHEAD WHITE	DA	WESTERN MUSICAL SYMBOL COMMON TIME
8D	WESTERN MUSICAL SYMBOL MOON NOTEHEAD BLACK	DB	WESTERN MUSICAL SYMBOL CUT TIME
8E	WESTERN MUSICAL SYMBOL TRIANGLE-ROUND NOTEHEAD DOWN WHITE	DC	(This position shall not be used)
8F	WESTERN MUSICAL SYMBOL TRIANGLE-ROUND NOTEHEAD DOWN BLACK	DD	(This position shall not be used)
90	WESTERN MUSICAL SYMBOL PARENTHESIS NOTEHEAD	DE	(This position shall not be used)
91	WESTERN MUSICAL SYMBOL VOID NOTEHEAD	DF	(This position shall not be used)
92	WESTERN MUSICAL SYMBOL NULL NOTEHEAD	E0	(This position shall not be used)
93	WESTERN MUSICAL SYMBOL NOTEHEAD BLACK	E1	(This position shall not be used)
94	WESTERN MUSICAL SYMBOL CLUSTER NOTEHEAD WHITE	E2	(This position shall not be used)
95	WESTERN MUSICAL SYMBOL CLUSTER NOTEHEAD BLACK	E3	(This position shall not be used)
96	WESTERN MUSICAL SYMBOL STEM	E4	(This position shall not be used)
97	WESTERN MUSICAL SYMBOL SPRECHGESANG STEM	E5	(This position shall not be used)
98	WESTERN MUSICAL SYMBOL TREMOLO STEM ONE	E6	(This position shall not be used)
99	WESTERN MUSICAL SYMBOL TREMOLO STEM TWO	E7	(This position shall not be used)
9A	WESTERN MUSICAL SYMBOL TREMOLO STEM THREE	E8	(This position shall not be used)
9B	WESTERN MUSICAL SYMBOL FINGERED TREMOLO	E9	(This position shall not be used)
9C	WESTERN MUSICAL SYMBOL BREVE	EA	(This position shall not be used)
9D	WESTERN MUSICAL SYMBOL WHOLE NOTE	EB	(This position shall not be used)
9E	WESTERN MUSICAL SYMBOL HALF NOTE	EC	(This position shall not be used)
9F	WESTERN MUSICAL SYMBOL QUARTER NOTE	ED	(This position shall not be used)
A0	WESTERN MUSICAL SYMBOL EIGHTH NOTE	EE	(This position shall not be used)
A1	WESTERN MUSICAL SYMBOL SIXTEENTH NOTE	EF	(This position shall not be used)
A2	WESTERN MUSICAL SYMBOL THIRTY-SECOND NOTE	F0	(This position shall not be used)
A3	WESTERN MUSICAL SYMBOL SIXTY-FOURTH NOTE	F1	(This position shall not be used)
A4	WESTERN MUSICAL SYMBOL ONE HUNDRED TWENTY-EIGHTH NOTE	F2	(This position shall not be used)
A5	WESTERN MUSICAL SYMBOL AUGMENTATION DOT	F3	(This position shall not be used)
A6	WESTERN MUSICAL SYMBOL TIE-START	F4	(This position shall not be used)
A7	WESTERN MUSICAL SYMBOL TIE-END	F5	(This position shall not be used)
A8	WESTERN MUSICAL SYMBOL BEAM-START	F6	(This position shall not be used)
A9	WESTERN MUSICAL SYMBOL BEAM-END	F7	(This position shall not be used)
AA	WESTERN MUSICAL SYMBOL SLUR-START	F8	(This position shall not be used)
AB	WESTERN MUSICAL SYMBOL SLUR-END	F9	(This position shall not be used)
AC	WESTERN MUSICAL SYMBOL PHRASE-START	FA	(This position shall not be used)
AD	WESTERN MUSICAL SYMBOL PHRASE-END	FB	(This position shall not be used)
AE	WESTERN MUSICAL SYMBOL OTTAVA ALTA	FC	(This position shall not be used)
AF	WESTERN MUSICAL SYMBOL OTTAVA BASSA	FD	(This position shall not be used)
B0	WESTERN MUSICAL SYMBOL QUINDICESIMA ALTA	FE	(This position shall not be used)
B1	WESTERN MUSICAL SYMBOL QUINDICESIMA BASSA	FF	(This position shall not be used)
B2	WESTERN MUSICAL SYMBOL GRACE NOTE SLASH		
B3	WESTERN MUSICAL SYMBOL GRACE NOTE NO SLASH		
B4	WESTERN MUSICAL SYMBOL TR		
B5	WESTERN MUSICAL SYMBOL TURN		
B6	WESTERN MUSICAL SYMBOL INVERTED TURN		
B7	WESTERN MUSICAL SYMBOL TURN SLASH		
B8	WESTERN MUSICAL SYMBOL TURN UP		
B9	WESTERN MUSICAL SYMBOL ORNAMENT STROKE ONE		
BA	WESTERN MUSICAL SYMBOL ORNAMENT STROKE TWO		
BB	WESTERN MUSICAL SYMBOL ORNAMENT STROKE THREE		
BC	WESTERN MUSICAL SYMBOL ORNAMENT STROKE FOUR		
BD	WESTERN MUSICAL SYMBOL ORNAMENT STROKE FIVE		
BE	WESTERN MUSICAL SYMBOL ORNAMENT STROKE SIX		
BF	WESTERN MUSICAL SYMBOL ORNAMENT STROKE SEVEN		
C0	WESTERN MUSICAL SYMBOL ORNAMENT STROKE EIGHT		
C1	WESTERN MUSICAL SYMBOL ORNAMENT STROKE NINE		
C2	WESTERN MUSICAL SYMBOL ORNAMENT STROKE TEN		
C3	WESTERN MUSICAL SYMBOL ORNAMENT STROKE ELEVEN		
C4	WESTERN MUSICAL SYMBOL MULTI REST		
C5	WESTERN MUSICAL SYMBOL WHOLE REST		
C6	WESTERN MUSICAL SYMBOL HALF REST		
C7	WESTERN MUSICAL SYMBOL QUARTER REST		
C8	WESTERN MUSICAL SYMBOL EIGHTH REST		
C9	WESTERN MUSICAL SYMBOL SIXTEENTH REST		
CA	WESTERN MUSICAL SYMBOL THIRTY-SECOND REST		
CB	WESTERN MUSICAL SYMBOL SIXTY-FOURTH REST		
CC	WESTERN MUSICAL SYMBOL ONE HUNDRED TWENTY-EIGHTH REST		
CD	WESTERN MUSICAL SYMBOL ONE-LINE STAFF		

TABLE 8 – Row D4: MATHEMATICAL ALPHANUMERIC SYMBOLS

	D40	D41	D42	D43	D44	D45	D46	D47
0	A	Q	g	w	M	<i>c</i>	<i>s</i>	I
1	B	R	h	x	N	<i>d</i>	<i>t</i>	J
2	C	S	i	y	O	<i>e</i>	<i>u</i>	K
3	D	T	j	z	P	<i>f</i>	<i>v</i>	L
4	E	U	k	A	Q	<i>g</i>	<i>w</i>	M
5	F	V	l	B	R		<i>x</i>	N
6	G	W	m	C	S	<i>i</i>	<i>y</i>	O
7	H	X	n	D	T	<i>j</i>	<i>z</i>	P
8	I	Y	o	E	U	<i>k</i>	A	Q
9	J	Z	p	F	V	<i>l</i>	B	R
A	K	a	q	G	W	<i>m</i>	C	S
B	L	b	r	H	X	<i>n</i>	D	T
C	M	c	t	I	Y	<i>o</i>	E	U
D	N	d	u	J	Z	<i>p</i>	F	V
E	O	e	v	K	a	<i>q</i>	G	W
F	P	f	w	L	b	<i>r</i>	H	X

G = 00
P = 01

TABLE 8 – Row D4: MATHEMATICAL ALPHANUMERIC SYMBOLS

hex	Name	hex	Name
00	MATHEMATICAL BOLD CAPITAL A	58	MATHEMATICAL ITALIC SMALL K
01	MATHEMATICAL BOLD CAPITAL B	59	MATHEMATICAL ITALIC SMALL L
02	MATHEMATICAL BOLD CAPITAL C	5A	MATHEMATICAL ITALIC SMALL M
03	MATHEMATICAL BOLD CAPITAL D	5B	MATHEMATICAL ITALIC SMALL N
04	MATHEMATICAL BOLD CAPITAL E	5C	MATHEMATICAL ITALIC SMALL O
05	MATHEMATICAL BOLD CAPITAL F	5D	MATHEMATICAL ITALIC SMALL P
06	MATHEMATICAL BOLD CAPITAL G	5E	MATHEMATICAL ITALIC SMALL Q
07	MATHEMATICAL BOLD CAPITAL H	5F	MATHEMATICAL ITALIC SMALL R
08	MATHEMATICAL BOLD CAPITAL I	60	MATHEMATICAL ITALIC SMALL S
09	MATHEMATICAL BOLD CAPITAL J	61	MATHEMATICAL ITALIC SMALL T
0A	MATHEMATICAL BOLD CAPITAL K	62	MATHEMATICAL ITALIC SMALL U
0B	MATHEMATICAL BOLD CAPITAL L	63	MATHEMATICAL ITALIC SMALL V
0C	MATHEMATICAL BOLD CAPITAL M	64	MATHEMATICAL ITALIC SMALL W
0D	MATHEMATICAL BOLD CAPITAL N	65	MATHEMATICAL ITALIC SMALL X
0E	MATHEMATICAL BOLD CAPITAL O	66	MATHEMATICAL ITALIC SMALL Y
0F	MATHEMATICAL BOLD CAPITAL P	67	MATHEMATICAL ITALIC SMALL Z
10	MATHEMATICAL BOLD CAPITAL Q	68	MATHEMATICAL BOLD ITALIC CAPITAL A
11	MATHEMATICAL BOLD CAPITAL R	69	MATHEMATICAL BOLD ITALIC CAPITAL B
12	MATHEMATICAL BOLD CAPITAL S	6A	MATHEMATICAL BOLD ITALIC CAPITAL C
13	MATHEMATICAL BOLD CAPITAL T	6B	MATHEMATICAL BOLD ITALIC CAPITAL D
14	MATHEMATICAL BOLD CAPITAL U	6C	MATHEMATICAL BOLD ITALIC CAPITAL E
15	MATHEMATICAL BOLD CAPITAL V	6D	MATHEMATICAL BOLD ITALIC CAPITAL F
16	MATHEMATICAL BOLD CAPITAL W	6E	MATHEMATICAL BOLD ITALIC CAPITAL G
17	MATHEMATICAL BOLD CAPITAL X	6F	MATHEMATICAL BOLD ITALIC CAPITAL H
18	MATHEMATICAL BOLD CAPITAL Y	70	MATHEMATICAL BOLD ITALIC CAPITAL I
19	MATHEMATICAL BOLD CAPITAL Z	71	MATHEMATICAL BOLD ITALIC CAPITAL J
1A	MATHEMATICAL BOLD SMALL A	72	MATHEMATICAL BOLD ITALIC CAPITAL K
1B	MATHEMATICAL BOLD SMALL B	73	MATHEMATICAL BOLD ITALIC CAPITAL L
1C	MATHEMATICAL BOLD SMALL C	74	MATHEMATICAL BOLD ITALIC CAPITAL M
1D	MATHEMATICAL BOLD SMALL D	75	MATHEMATICAL BOLD ITALIC CAPITAL N
1E	MATHEMATICAL BOLD SMALL E	76	MATHEMATICAL BOLD ITALIC CAPITAL O
1F	MATHEMATICAL BOLD SMALL F	77	MATHEMATICAL BOLD ITALIC CAPITAL P
20	MATHEMATICAL BOLD SMALL G	78	MATHEMATICAL BOLD ITALIC CAPITAL Q
21	MATHEMATICAL BOLD SMALL H	79	MATHEMATICAL BOLD ITALIC CAPITAL R
22	MATHEMATICAL BOLD SMALL I	7A	MATHEMATICAL BOLD ITALIC CAPITAL S
23	MATHEMATICAL BOLD SMALL J	7B	MATHEMATICAL BOLD ITALIC CAPITAL T
24	MATHEMATICAL BOLD SMALL K	7C	MATHEMATICAL BOLD ITALIC CAPITAL U
25	MATHEMATICAL BOLD SMALL L	7D	MATHEMATICAL BOLD ITALIC CAPITAL V
26	MATHEMATICAL BOLD SMALL M	7E	MATHEMATICAL BOLD ITALIC CAPITAL W
27	MATHEMATICAL BOLD SMALL N	7F	MATHEMATICAL BOLD ITALIC CAPITAL X
28	MATHEMATICAL BOLD SMALL O		
29	MATHEMATICAL BOLD SMALL P		
2A	MATHEMATICAL BOLD SMALL Q		
2B	MATHEMATICAL BOLD SMALL R		
2C	MATHEMATICAL BOLD SMALL S		
2D	MATHEMATICAL BOLD SMALL T		
2E	MATHEMATICAL BOLD SMALL U		
2F	MATHEMATICAL BOLD SMALL V		
30	MATHEMATICAL BOLD SMALL W		
31	MATHEMATICAL BOLD SMALL X		
32	MATHEMATICAL BOLD SMALL Y		
33	MATHEMATICAL BOLD SMALL Z		
34	MATHEMATICAL ITALIC CAPITAL A		
35	MATHEMATICAL ITALIC CAPITAL B		
36	MATHEMATICAL ITALIC CAPITAL C		
37	MATHEMATICAL ITALIC CAPITAL D		
38	MATHEMATICAL ITALIC CAPITAL E		
39	MATHEMATICAL ITALIC CAPITAL F		
3A	MATHEMATICAL ITALIC CAPITAL G		
3B	MATHEMATICAL ITALIC CAPITAL H		
3C	MATHEMATICAL ITALIC CAPITAL I		
3D	MATHEMATICAL ITALIC CAPITAL J		
3E	MATHEMATICAL ITALIC CAPITAL K		
3F	MATHEMATICAL ITALIC CAPITAL L		
40	MATHEMATICAL ITALIC CAPITAL M		
41	MATHEMATICAL ITALIC CAPITAL N		
42	MATHEMATICAL ITALIC CAPITAL O		
43	MATHEMATICAL ITALIC CAPITAL P		
44	MATHEMATICAL ITALIC CAPITAL Q		
45	MATHEMATICAL ITALIC CAPITAL R		
46	MATHEMATICAL ITALIC CAPITAL S		
47	MATHEMATICAL ITALIC CAPITAL T		
48	MATHEMATICAL ITALIC CAPITAL U		
49	MATHEMATICAL ITALIC CAPITAL V		
4A	MATHEMATICAL ITALIC CAPITAL W		
4B	MATHEMATICAL ITALIC CAPITAL X		
4C	MATHEMATICAL ITALIC CAPITAL Y		
4D	MATHEMATICAL ITALIC CAPITAL Z		
4E	MATHEMATICAL ITALIC SMALL A		
4F	MATHEMATICAL ITALIC SMALL B		
50	MATHEMATICAL ITALIC SMALL C		
51	MATHEMATICAL ITALIC SMALL D		
52	MATHEMATICAL ITALIC SMALL E		
53	MATHEMATICAL ITALIC SMALL F		
54	MATHEMATICAL ITALIC SMALL G		
55	(This position shall not be used)		
56	MATHEMATICAL ITALIC SMALL I		
57	MATHEMATICAL ITALIC SMALL J		

TABLE 9 – Row D4: MATHEMATICAL ALPHANUMERIC SYMBOLS

	D48	D49	D4A	D4B	D4C	D4D	D4E	D4F
0	<i>Y</i>	<i>o</i>		U	k	A	Q	g
1	<i>Z</i>	<i>p</i>		V		B	R	h
2	<i>a</i>	<i>q</i>	G	W	m	C	S	i
3	<i>b</i>	<i>r</i>		X	n	D	T	j
4	<i>c</i>	<i>s</i>		Y		E	U	k
5	<i>d</i>	<i>t</i>	J	Z	p	F	V	l
6	<i>e</i>	<i>u</i>	K	a	q	G	W	m
7	<i>f</i>	<i>v</i>		b	r	H	X	n
8	<i>g</i>	<i>w</i>		c	s	I	Y	o
9	<i>h</i>	<i>x</i>	N	d	t	J	Z	p
A	<i>i</i>	<i>y</i>	O		u	K	a	q
B	<i>j</i>	<i>z</i>	P	f	v	L	b	r
C	<i>k</i>	A	Q		w	M	c	s
D	<i>l</i>			h	x	N	d	t
E	<i>m</i>	C	S	i	y	O	e	u
F	<i>n</i>	D	T	j	z	P	f	v

G = 00
P = 01

TABLE 9 – Row D4: MATHEMATICAL ALPHANUMERIC SYMBOLS

hex	Name	hex	Name
80	MATHEMATICAL BOLD ITALIC CAPITAL Y	D8	MATHEMATICAL BOLD SCRIPT CAPITAL I
81	MATHEMATICAL BOLD ITALIC CAPITAL Z	D9	MATHEMATICAL BOLD SCRIPT CAPITAL J
82	MATHEMATICAL BOLD ITALIC SMALL A	DA	MATHEMATICAL BOLD SCRIPT CAPITAL K
83	MATHEMATICAL BOLD ITALIC SMALL B	DB	MATHEMATICAL BOLD SCRIPT CAPITAL L
84	MATHEMATICAL BOLD ITALIC SMALL C	DC	MATHEMATICAL BOLD SCRIPT CAPITAL M
85	MATHEMATICAL BOLD ITALIC SMALL D	DD	MATHEMATICAL BOLD SCRIPT CAPITAL N
86	MATHEMATICAL BOLD ITALIC SMALL E	DE	MATHEMATICAL BOLD SCRIPT CAPITAL O
87	MATHEMATICAL BOLD ITALIC SMALL F	DF	MATHEMATICAL BOLD SCRIPT CAPITAL P
88	MATHEMATICAL BOLD ITALIC SMALL G	E0	MATHEMATICAL BOLD SCRIPT CAPITAL Q
89	MATHEMATICAL BOLD ITALIC SMALL H	E1	MATHEMATICAL BOLD SCRIPT CAPITAL R
8A	MATHEMATICAL BOLD ITALIC SMALL I	E2	MATHEMATICAL BOLD SCRIPT CAPITAL S
8B	MATHEMATICAL BOLD ITALIC SMALL J	E3	MATHEMATICAL BOLD SCRIPT CAPITAL T
8C	MATHEMATICAL BOLD ITALIC SMALL K	E4	MATHEMATICAL BOLD SCRIPT CAPITAL U
8D	MATHEMATICAL BOLD ITALIC SMALL L	E5	MATHEMATICAL BOLD SCRIPT CAPITAL V
8E	MATHEMATICAL BOLD ITALIC SMALL M	E6	MATHEMATICAL BOLD SCRIPT CAPITAL W
8F	MATHEMATICAL BOLD ITALIC SMALL N	E7	MATHEMATICAL BOLD SCRIPT CAPITAL X
90	MATHEMATICAL BOLD ITALIC SMALL O	E8	MATHEMATICAL BOLD SCRIPT CAPITAL Y
91	MATHEMATICAL BOLD ITALIC SMALL P	E9	MATHEMATICAL BOLD SCRIPT CAPITAL Z
92	MATHEMATICAL BOLD ITALIC SMALL Q	EA	MATHEMATICAL BOLD SCRIPT SMALL A
93	MATHEMATICAL BOLD ITALIC SMALL R	EB	MATHEMATICAL BOLD SCRIPT SMALL B
94	MATHEMATICAL BOLD ITALIC SMALL S	EC	MATHEMATICAL BOLD SCRIPT SMALL C
95	MATHEMATICAL BOLD ITALIC SMALL T	ED	MATHEMATICAL BOLD SCRIPT SMALL D
96	MATHEMATICAL BOLD ITALIC SMALL U	EE	MATHEMATICAL BOLD SCRIPT SMALL E
97	MATHEMATICAL BOLD ITALIC SMALL V	EF	MATHEMATICAL BOLD SCRIPT SMALL F
98	MATHEMATICAL BOLD ITALIC SMALL W	F0	MATHEMATICAL BOLD SCRIPT SMALL G
99	MATHEMATICAL BOLD ITALIC SMALL X	F1	MATHEMATICAL BOLD SCRIPT SMALL H
9A	MATHEMATICAL BOLD ITALIC SMALL Y	F2	MATHEMATICAL BOLD SCRIPT SMALL I
9B	MATHEMATICAL BOLD ITALIC SMALL Z	F3	MATHEMATICAL BOLD SCRIPT SMALL J
9C	MATHEMATICAL SCRIPT CAPITAL A	F4	MATHEMATICAL BOLD SCRIPT SMALL K
9D	(This position shall not be used)	F5	MATHEMATICAL BOLD SCRIPT SMALL L
9E	MATHEMATICAL SCRIPT CAPITAL C	F6	MATHEMATICAL BOLD SCRIPT SMALL M
9F	MATHEMATICAL SCRIPT CAPITAL D	F7	MATHEMATICAL BOLD SCRIPT SMALL N
A0	(This position shall not be used)	F8	MATHEMATICAL BOLD SCRIPT SMALL O
A1	(This position shall not be used)	F9	MATHEMATICAL BOLD SCRIPT SMALL P
A2	MATHEMATICAL SCRIPT CAPITAL G	FA	MATHEMATICAL BOLD SCRIPT SMALL Q
A3	(This position shall not be used)	FB	MATHEMATICAL BOLD SCRIPT SMALL R
A4	(This position shall not be used)	FC	MATHEMATICAL BOLD SCRIPT SMALL S
A5	MATHEMATICAL SCRIPT CAPITAL J	FD	MATHEMATICAL BOLD SCRIPT SMALL T
A6	MATHEMATICAL SCRIPT CAPITAL K	FE	MATHEMATICAL BOLD SCRIPT SMALL U
A7	(This position shall not be used)	FF	MATHEMATICAL BOLD SCRIPT SMALL V
A8	(This position shall not be used)		
A9	MATHEMATICAL SCRIPT CAPITAL N		
AA	MATHEMATICAL SCRIPT CAPITAL O		
AB	MATHEMATICAL SCRIPT CAPITAL P		
AC	MATHEMATICAL SCRIPT CAPITAL Q		
AD	(This position shall not be used)		
AE	MATHEMATICAL SCRIPT CAPITAL S		
AF	MATHEMATICAL SCRIPT CAPITAL T		
B0	MATHEMATICAL SCRIPT CAPITAL U		
B1	MATHEMATICAL SCRIPT CAPITAL V		
B2	MATHEMATICAL SCRIPT CAPITAL W		
B3	MATHEMATICAL SCRIPT CAPITAL X		
B4	MATHEMATICAL SCRIPT CAPITAL Y		
B5	MATHEMATICAL SCRIPT CAPITAL Z		
B6	MATHEMATICAL SCRIPT SMALL A		
B7	MATHEMATICAL SCRIPT SMALL B		
B8	MATHEMATICAL SCRIPT SMALL C		
B9	MATHEMATICAL SCRIPT SMALL D		
BA	(This position shall not be used)		
BB	MATHEMATICAL SCRIPT SMALL F		
BC	(This position shall not be used)		
BD	MATHEMATICAL SCRIPT SMALL H		
BE	MATHEMATICAL SCRIPT SMALL I		
BF	MATHEMATICAL SCRIPT SMALL J		
C0	MATHEMATICAL SCRIPT SMALL K		
C1	(This position shall not be used)		
C2	MATHEMATICAL SCRIPT SMALL M		
C3	MATHEMATICAL SCRIPT SMALL N		
C4	(This position shall not be used)		
C5	MATHEMATICAL SCRIPT SMALL P		
C6	MATHEMATICAL SCRIPT SMALL Q		
C7	MATHEMATICAL SCRIPT SMALL R		
C8	MATHEMATICAL SCRIPT SMALL S		
C9	MATHEMATICAL SCRIPT SMALL T		
CA	MATHEMATICAL SCRIPT SMALL U		
CB	MATHEMATICAL SCRIPT SMALL V		
CC	MATHEMATICAL SCRIPT SMALL W		
CD	MATHEMATICAL SCRIPT SMALL X		
CE	MATHEMATICAL SCRIPT SMALL Y		
CF	MATHEMATICAL SCRIPT SMALL Z		
D0	MATHEMATICAL BOLD SCRIPT CAPITAL A		
D1	MATHEMATICAL BOLD SCRIPT CAPITAL B		
D2	MATHEMATICAL BOLD SCRIPT CAPITAL C		
D3	MATHEMATICAL BOLD SCRIPT CAPITAL D		
D4	MATHEMATICAL BOLD SCRIPT CAPITAL E		
D5	MATHEMATICAL BOLD SCRIPT CAPITAL F		
D6	MATHEMATICAL BOLD SCRIPT CAPITAL G		
D7	MATHEMATICAL BOLD SCRIPT CAPITAL H		

TABLE 10 – Row D5: MATHEMATICAL ALPHANUMERIC SYMBOLS

	D50	D51	D52	D53	D54	D55	D56	D57
0	W	M	c	S	I	Y	o	E
1	x	N	d	t	J		p	F
2	y	O	e	u	K	a	q	G
3	z	P	f	v	L	b	r	H
4	A	Q	g	w	M	c	s	I
5	B		h	x		d	t	J
6		S	i	y	O	e	u	K
7	D	T	j	z		f	v	L
8	E	U	k	A		g	w	M
9	F	V	l	B		h	x	N
A	G	W	m		S	i	y	O
B		X	n	D	T	j	z	P
C		Y	o	E	U	k	A	Q
D	J		p	F	V	l	B	R
E	K	a	q	G	W	m	C	S
F	L	b	r		X	n	D	T

G = 00
P = 01

TABLE 10 – Row D5: MATHEMATICAL ALPHANUMERIC SYMBOLS

hex	Name	hex	Name
00	MATHEMATICAL BOLD SCRIPT SMALL W	58	MATHEMATICAL OPEN-FACE SMALL G
01	MATHEMATICAL BOLD SCRIPT SMALL X	59	MATHEMATICAL OPEN-FACE SMALL H
02	MATHEMATICAL BOLD SCRIPT SMALL Y	5A	MATHEMATICAL OPEN-FACE SMALL I
03	MATHEMATICAL BOLD SCRIPT SMALL Z	5B	MATHEMATICAL OPEN-FACE SMALL J
04	MATHEMATICAL FRAKTUR CAPITAL A	5C	MATHEMATICAL OPEN-FACE SMALL K
05	MATHEMATICAL FRAKTUR CAPITAL B	5D	MATHEMATICAL OPEN-FACE SMALL L
06	(This position shall not be used)	5E	MATHEMATICAL OPEN-FACE SMALL M
07	MATHEMATICAL FRAKTUR CAPITAL D	5F	MATHEMATICAL OPEN-FACE SMALL N
08	MATHEMATICAL FRAKTUR CAPITAL E	60	MATHEMATICAL OPEN-FACE SMALL O
09	MATHEMATICAL FRAKTUR CAPITAL F	61	MATHEMATICAL OPEN-FACE SMALL P
0A	MATHEMATICAL FRAKTUR CAPITAL G	62	MATHEMATICAL OPEN-FACE SMALL Q
0B	(This position shall not be used)	63	MATHEMATICAL OPEN-FACE SMALL R
0C	(This position shall not be used)	64	MATHEMATICAL OPEN-FACE SMALL S
0D	MATHEMATICAL FRAKTUR CAPITAL J	65	MATHEMATICAL OPEN-FACE SMALL T
0E	MATHEMATICAL FRAKTUR CAPITAL K	66	MATHEMATICAL OPEN-FACE SMALL U
0F	MATHEMATICAL FRAKTUR CAPITAL L	67	MATHEMATICAL OPEN-FACE SMALL V
10	MATHEMATICAL FRAKTUR CAPITAL M	68	MATHEMATICAL OPEN-FACE SMALL W
11	MATHEMATICAL FRAKTUR CAPITAL N	69	MATHEMATICAL OPEN-FACE SMALL X
12	MATHEMATICAL FRAKTUR CAPITAL O	6A	MATHEMATICAL OPEN-FACE SMALL Y
13	MATHEMATICAL FRAKTUR CAPITAL P	6B	MATHEMATICAL OPEN-FACE SMALL Z
14	MATHEMATICAL FRAKTUR CAPITAL Q	6C	MATHEMATICAL OPEN-FACE ITALIC CAPITAL A
15	(This position shall not be used)	6D	MATHEMATICAL OPEN-FACE ITALIC CAPITAL B
16	MATHEMATICAL FRAKTUR CAPITAL S	6E	MATHEMATICAL OPEN-FACE ITALIC CAPITAL C
17	MATHEMATICAL FRAKTUR CAPITAL T	6F	MATHEMATICAL OPEN-FACE ITALIC CAPITAL D
18	MATHEMATICAL FRAKTUR CAPITAL U	70	MATHEMATICAL OPEN-FACE ITALIC CAPITAL E
19	MATHEMATICAL FRAKTUR CAPITAL V	71	MATHEMATICAL OPEN-FACE ITALIC CAPITAL F
1A	MATHEMATICAL FRAKTUR CAPITAL W	72	MATHEMATICAL OPEN-FACE ITALIC CAPITAL G
1B	MATHEMATICAL FRAKTUR CAPITAL X	73	MATHEMATICAL OPEN-FACE ITALIC CAPITAL H
1C	MATHEMATICAL FRAKTUR CAPITAL Y	74	MATHEMATICAL OPEN-FACE ITALIC CAPITAL I
1D	(This position shall not be used)	75	MATHEMATICAL OPEN-FACE ITALIC CAPITAL J
1E	MATHEMATICAL FRAKTUR SMALL A	76	MATHEMATICAL OPEN-FACE ITALIC CAPITAL K
1F	MATHEMATICAL FRAKTUR SMALL B	77	MATHEMATICAL OPEN-FACE ITALIC CAPITAL L
20	MATHEMATICAL FRAKTUR SMALL C	78	MATHEMATICAL OPEN-FACE ITALIC CAPITAL M
21	MATHEMATICAL FRAKTUR SMALL D	79	MATHEMATICAL OPEN-FACE ITALIC CAPITAL N
22	MATHEMATICAL FRAKTUR SMALL E	7A	MATHEMATICAL OPEN-FACE ITALIC CAPITAL O
23	MATHEMATICAL FRAKTUR SMALL F	7B	MATHEMATICAL OPEN-FACE ITALIC CAPITAL P
24	MATHEMATICAL FRAKTUR SMALL G	7C	MATHEMATICAL OPEN-FACE ITALIC CAPITAL Q
25	MATHEMATICAL FRAKTUR SMALL H	7D	MATHEMATICAL OPEN-FACE ITALIC CAPITAL R
26	MATHEMATICAL FRAKTUR SMALL I	7E	MATHEMATICAL OPEN-FACE ITALIC CAPITAL S
27	MATHEMATICAL FRAKTUR SMALL J	7F	MATHEMATICAL OPEN-FACE ITALIC CAPITAL T
28	MATHEMATICAL FRAKTUR SMALL K		
29	MATHEMATICAL FRAKTUR SMALL L		
2A	MATHEMATICAL FRAKTUR SMALL M		
2B	MATHEMATICAL FRAKTUR SMALL N		
2C	MATHEMATICAL FRAKTUR SMALL O		
2D	MATHEMATICAL FRAKTUR SMALL P		
2E	MATHEMATICAL FRAKTUR SMALL Q		
2F	MATHEMATICAL FRAKTUR SMALL R		
30	MATHEMATICAL FRAKTUR SMALL S		
31	MATHEMATICAL FRAKTUR SMALL T		
32	MATHEMATICAL FRAKTUR SMALL U		
33	MATHEMATICAL FRAKTUR SMALL V		
34	MATHEMATICAL FRAKTUR SMALL W		
35	MATHEMATICAL FRAKTUR SMALL X		
36	MATHEMATICAL FRAKTUR SMALL Y		
37	MATHEMATICAL FRAKTUR SMALL Z		
38	MATHEMATICAL OPEN-FACE CAPITAL A		
39	MATHEMATICAL OPEN-FACE CAPITAL B		
3A	(This position shall not be used)		
3B	MATHEMATICAL OPEN-FACE CAPITAL D		
3C	MATHEMATICAL OPEN-FACE CAPITAL E		
3D	MATHEMATICAL OPEN-FACE CAPITAL F		
3E	MATHEMATICAL OPEN-FACE CAPITAL G		
3F	(This position shall not be used)		
40	MATHEMATICAL OPEN-FACE CAPITAL I		
41	MATHEMATICAL OPEN-FACE CAPITAL J		
42	MATHEMATICAL OPEN-FACE CAPITAL K		
43	MATHEMATICAL OPEN-FACE CAPITAL L		
44	MATHEMATICAL OPEN-FACE CAPITAL M		
45	(This position shall not be used)		
46	MATHEMATICAL OPEN-FACE CAPITAL O		
47	(This position shall not be used)		
48	(This position shall not be used)		
49	(This position shall not be used)		
4A	MATHEMATICAL OPEN-FACE CAPITAL S		
4B	MATHEMATICAL OPEN-FACE CAPITAL T		
4C	MATHEMATICAL OPEN-FACE CAPITAL U		
4D	MATHEMATICAL OPEN-FACE CAPITAL V		
4E	MATHEMATICAL OPEN-FACE CAPITAL W		
4F	MATHEMATICAL OPEN-FACE CAPITAL X		
50	MATHEMATICAL OPEN-FACE CAPITAL Y		
51	(This position shall not be used)		
52	MATHEMATICAL OPEN-FACE SMALL A		
53	MATHEMATICAL OPEN-FACE SMALL B		
54	MATHEMATICAL OPEN-FACE SMALL C		
55	MATHEMATICAL OPEN-FACE SMALL D		
56	MATHEMATICAL OPEN-FACE SMALL E		
57	MATHEMATICAL OPEN-FACE SMALL F		

TABLE 11 – Row D5: MATHEMATICAL ALPHANUMERIC SYMBOLS

	D58	D59	D5A	D5B	D5C	D5D	D5E	D5F
0	<i>U</i>	<i>k</i>	A	Q	<i>g</i>	<i>w</i>	M	c
1	<i>V</i>	<i>l</i>	B	R	<i>h</i>	<i>x</i>	N	d
2	<i>W</i>	<i>m</i>	C	S	<i>i</i>	<i>y</i>	O	e
3	<i>X</i>	<i>n</i>	D	T	<i>j</i>	<i>z</i>	P	f
4	<i>Y</i>	<i>o</i>	E	U	<i>k</i>	A	Q	<i>g</i>
5	<i>Z</i>	<i>p</i>	F	V	<i>l</i>	B	R	<i>h</i>
6	<i>a</i>	<i>q</i>	G	W	<i>m</i>	C	S	<i>i</i>
7	<i>b</i>	<i>r</i>	H	X	<i>n</i>	D	T	<i>j</i>
8	<i>c</i>	<i>s</i>	I	Y	<i>o</i>	E	U	<i>k</i>
9	<i>d</i>	<i>t</i>	J	Z	<i>p</i>	F	V	<i>l</i>
A	<i>e</i>	<i>u</i>	K	a	<i>q</i>	G	W	<i>m</i>
B	<i>f</i>	<i>v</i>	L	b	<i>r</i>	H	X	<i>n</i>
C	<i>g</i>	<i>w</i>	M	c	<i>s</i>	I	Y	<i>o</i>
D	<i>h</i>	<i>x</i>	N	d	<i>t</i>	J	Z	<i>p</i>
E	<i>i</i>	<i>y</i>	O	e	<i>u</i>	K	a	<i>q</i>
F	<i>j</i>	<i>z</i>	P	f	<i>v</i>	L	b	<i>r</i>

G = 00
P = 01

TABLE 11 – Row D5: MATHEMATICAL ALPHANUMERIC SYMBOLS

hex	Name	hex	Name
80	MATHEMATICAL OPEN-FACE ITALIC CAPITAL U	D8	MATHEMATICAL SANS BOLD CAPITAL E
81	MATHEMATICAL OPEN-FACE ITALIC CAPITAL V	D9	MATHEMATICAL SANS BOLD CAPITAL F
82	MATHEMATICAL OPEN-FACE ITALIC CAPITAL W	DA	MATHEMATICAL SANS BOLD CAPITAL G
83	MATHEMATICAL OPEN-FACE ITALIC CAPITAL X	DB	MATHEMATICAL SANS BOLD CAPITAL H
84	MATHEMATICAL OPEN-FACE ITALIC CAPITAL Y	DC	MATHEMATICAL SANS BOLD CAPITAL I
85	MATHEMATICAL OPEN-FACE ITALIC CAPITAL Z	DD	MATHEMATICAL SANS BOLD CAPITAL J
86	MATHEMATICAL OPEN-FACE ITALIC SMALL A	DE	MATHEMATICAL SANS BOLD CAPITAL K
87	MATHEMATICAL OPEN-FACE ITALIC SMALL B	DF	MATHEMATICAL SANS BOLD CAPITAL L
88	MATHEMATICAL OPEN-FACE ITALIC SMALL C	E0	MATHEMATICAL SANS BOLD CAPITAL M
89	MATHEMATICAL OPEN-FACE ITALIC SMALL D	E1	MATHEMATICAL SANS BOLD CAPITAL N
8A	MATHEMATICAL OPEN-FACE ITALIC SMALL E	E2	MATHEMATICAL SANS BOLD CAPITAL O
8B	MATHEMATICAL OPEN-FACE ITALIC SMALL F	E3	MATHEMATICAL SANS BOLD CAPITAL P
8C	MATHEMATICAL OPEN-FACE ITALIC SMALL G	E4	MATHEMATICAL SANS BOLD CAPITAL Q
8D	MATHEMATICAL OPEN-FACE ITALIC SMALL H	E5	MATHEMATICAL SANS BOLD CAPITAL R
8E	MATHEMATICAL OPEN-FACE ITALIC SMALL I	E6	MATHEMATICAL SANS BOLD CAPITAL S
8F	MATHEMATICAL OPEN-FACE ITALIC SMALL J	E7	MATHEMATICAL SANS BOLD CAPITAL T
90	MATHEMATICAL OPEN-FACE ITALIC SMALL K	E8	MATHEMATICAL SANS BOLD CAPITAL U
91	MATHEMATICAL OPEN-FACE ITALIC SMALL L	E9	MATHEMATICAL SANS BOLD CAPITAL V
92	MATHEMATICAL OPEN-FACE ITALIC SMALL M	EA	MATHEMATICAL SANS BOLD CAPITAL W
93	MATHEMATICAL OPEN-FACE ITALIC SMALL N	EB	MATHEMATICAL SANS BOLD CAPITAL X
94	MATHEMATICAL OPEN-FACE ITALIC SMALL O	EC	MATHEMATICAL SANS BOLD CAPITAL Y
95	MATHEMATICAL OPEN-FACE ITALIC SMALL P	ED	MATHEMATICAL SANS BOLD CAPITAL Z
96	MATHEMATICAL OPEN-FACE ITALIC SMALL Q	EE	MATHEMATICAL SANS BOLD SMALL A
97	MATHEMATICAL OPEN-FACE ITALIC SMALL R	EF	MATHEMATICAL SANS BOLD SMALL B
98	MATHEMATICAL OPEN-FACE ITALIC SMALL S	F0	MATHEMATICAL SANS BOLD SMALL C
99	MATHEMATICAL OPEN-FACE ITALIC SMALL T	F1	MATHEMATICAL SANS BOLD SMALL D
9A	MATHEMATICAL OPEN-FACE ITALIC SMALL U	F2	MATHEMATICAL SANS BOLD SMALL E
9B	MATHEMATICAL OPEN-FACE ITALIC SMALL V	F3	MATHEMATICAL SANS BOLD SMALL F
9C	MATHEMATICAL OPEN-FACE ITALIC SMALL W	F4	MATHEMATICAL SANS BOLD SMALL G
9D	MATHEMATICAL OPEN-FACE ITALIC SMALL X	F5	MATHEMATICAL SANS BOLD SMALL H
9E	MATHEMATICAL OPEN-FACE ITALIC SMALL Y	F6	MATHEMATICAL SANS BOLD SMALL I
9F	MATHEMATICAL OPEN-FACE ITALIC SMALL Z	F7	MATHEMATICAL SANS BOLD SMALL J
A0	MATHEMATICAL SANS CAPITAL A	F8	MATHEMATICAL SANS BOLD SMALL K
A1	MATHEMATICAL SANS CAPITAL B	F9	MATHEMATICAL SANS BOLD SMALL L
A2	MATHEMATICAL SANS CAPITAL C	FA	MATHEMATICAL SANS BOLD SMALL M
A3	MATHEMATICAL SANS CAPITAL D	FB	MATHEMATICAL SANS BOLD SMALL N
A4	MATHEMATICAL SANS CAPITAL E	FC	MATHEMATICAL SANS BOLD SMALL O
A5	MATHEMATICAL SANS CAPITAL F	FD	MATHEMATICAL SANS BOLD SMALL P
A6	MATHEMATICAL SANS CAPITAL G	FE	MATHEMATICAL SANS BOLD SMALL Q
A7	MATHEMATICAL SANS CAPITAL H	FF	MATHEMATICAL SANS BOLD SMALL R
A8	MATHEMATICAL SANS CAPITAL I		
A9	MATHEMATICAL SANS CAPITAL J		
AA	MATHEMATICAL SANS CAPITAL K		
AB	MATHEMATICAL SANS CAPITAL L		
AC	MATHEMATICAL SANS CAPITAL M		
AD	MATHEMATICAL SANS CAPITAL N		
AE	MATHEMATICAL SANS CAPITAL O		
AF	MATHEMATICAL SANS CAPITAL P		
B0	MATHEMATICAL SANS CAPITAL Q		
B1	MATHEMATICAL SANS CAPITAL R		
B2	MATHEMATICAL SANS CAPITAL S		
B3	MATHEMATICAL SANS CAPITAL T		
B4	MATHEMATICAL SANS CAPITAL U		
B5	MATHEMATICAL SANS CAPITAL V		
B6	MATHEMATICAL SANS CAPITAL W		
B7	MATHEMATICAL SANS CAPITAL X		
B8	MATHEMATICAL SANS CAPITAL Y		
B9	MATHEMATICAL SANS CAPITAL Z		
BA	MATHEMATICAL SANS SMALL A		
BB	MATHEMATICAL SANS SMALL B		
BC	MATHEMATICAL SANS SMALL C		
BD	MATHEMATICAL SANS SMALL D		
BE	MATHEMATICAL SANS SMALL E		
BF	MATHEMATICAL SANS SMALL F		
C0	MATHEMATICAL SANS SMALL G		
C1	MATHEMATICAL SANS SMALL H		
C2	MATHEMATICAL SANS SMALL I		
C3	MATHEMATICAL SANS SMALL J		
C4	MATHEMATICAL SANS SMALL K		
C5	MATHEMATICAL SANS SMALL L		
C6	MATHEMATICAL SANS SMALL M		
C7	MATHEMATICAL SANS SMALL N		
C8	MATHEMATICAL SANS SMALL O		
C9	MATHEMATICAL SANS SMALL P		
CA	MATHEMATICAL SANS SMALL Q		
CB	MATHEMATICAL SANS SMALL R		
CC	MATHEMATICAL SANS SMALL S		
CD	MATHEMATICAL SANS SMALL T		
CE	MATHEMATICAL SANS SMALL U		
CF	MATHEMATICAL SANS SMALL V		
D0	MATHEMATICAL SANS SMALL W		
D1	MATHEMATICAL SANS SMALL X		
D2	MATHEMATICAL SANS SMALL Y		
D3	MATHEMATICAL SANS SMALL Z		
D4	MATHEMATICAL SANS BOLD CAPITAL A		
D5	MATHEMATICAL SANS BOLD CAPITAL B		
D6	MATHEMATICAL SANS BOLD CAPITAL C		
D7	MATHEMATICAL SANS BOLD CAPITAL D		

TABLE 12 – Row D6: MATHEMATICAL ALPHANUMERIC SYMBOLS

	D60	D61	D62	D63	D64	D65	D66	D67
0	s	<i>l</i>	<i>Y</i>	<i>o</i>	E	U	k	A
1	t	<i>J</i>	<i>Z</i>	<i>p</i>	F	V	<i>l</i>	B
2	u	<i>K</i>	<i>a</i>	<i>q</i>	G	W	<i>m</i>	C
3	v	<i>L</i>	<i>b</i>	<i>r</i>	H	X	<i>n</i>	D
4	w	<i>M</i>	<i>c</i>	<i>s</i>	<i>l</i>	<i>Y</i>	o	E
5	x	<i>N</i>	<i>d</i>	<i>t</i>	J	Z	<i>p</i>	F
6	y	<i>O</i>	<i>e</i>	<i>u</i>	K	<i>a</i>	<i>q</i>	G
7	z	<i>P</i>	<i>f</i>	<i>v</i>	L	<i>b</i>	<i>r</i>	H
8	<i>A</i>	<i>Q</i>	<i>g</i>	<i>w</i>	M	c	s	I
9	<i>B</i>	<i>R</i>	<i>h</i>	<i>x</i>	N	<i>d</i>	<i>t</i>	J
A	<i>C</i>	<i>S</i>	<i>i</i>	<i>y</i>	O	<i>e</i>	<i>u</i>	K
B	<i>D</i>	<i>T</i>	<i>j</i>	<i>z</i>	P	<i>f</i>	<i>v</i>	L
C	<i>E</i>	<i>U</i>	<i>k</i>	A	Q	<i>g</i>	<i>w</i>	M
D	<i>F</i>	<i>V</i>	<i>l</i>	B	R	<i>h</i>	<i>x</i>	N
E	<i>G</i>	<i>W</i>	<i>m</i>	C	S	<i>i</i>	<i>y</i>	O
F	<i>H</i>	<i>X</i>	<i>n</i>	D	T	<i>j</i>	<i>z</i>	P

G = 00
P = 01

TABLE 12 – Row D6: MATHEMATICAL ALPHANUMERIC SYMBOLS

hex	Name	hex	Name
00	MATHEMATICAL SANS BOLD SMALL S	58	MATHEMATICAL SANS BOLD ITALIC SMALL C
01	MATHEMATICAL SANS BOLD SMALL T	59	MATHEMATICAL SANS BOLD ITALIC SMALL D
02	MATHEMATICAL SANS BOLD SMALL U	5A	MATHEMATICAL SANS BOLD ITALIC SMALL E
03	MATHEMATICAL SANS BOLD SMALL V	5B	MATHEMATICAL SANS BOLD ITALIC SMALL F
04	MATHEMATICAL SANS BOLD SMALL W	5C	MATHEMATICAL SANS BOLD ITALIC SMALL G
05	MATHEMATICAL SANS BOLD SMALL X	5D	MATHEMATICAL SANS BOLD ITALIC SMALL H
06	MATHEMATICAL SANS BOLD SMALL Y	5E	MATHEMATICAL SANS BOLD ITALIC SMALL I
07	MATHEMATICAL SANS BOLD SMALL Z	5F	MATHEMATICAL SANS BOLD ITALIC SMALL J
08	MATHEMATICAL SANS ITALIC CAPITAL A	60	MATHEMATICAL SANS BOLD ITALIC SMALL K
09	MATHEMATICAL SANS ITALIC CAPITAL B	61	MATHEMATICAL SANS BOLD ITALIC SMALL L
0A	MATHEMATICAL SANS ITALIC CAPITAL C	62	MATHEMATICAL SANS BOLD ITALIC SMALL M
0B	MATHEMATICAL SANS ITALIC CAPITAL D	63	MATHEMATICAL SANS BOLD ITALIC SMALL N
0C	MATHEMATICAL SANS ITALIC CAPITAL E	64	MATHEMATICAL SANS BOLD ITALIC SMALL O
0D	MATHEMATICAL SANS ITALIC CAPITAL F	65	MATHEMATICAL SANS BOLD ITALIC SMALL P
0E	MATHEMATICAL SANS ITALIC CAPITAL G	66	MATHEMATICAL SANS BOLD ITALIC SMALL Q
0F	MATHEMATICAL SANS ITALIC CAPITAL H	67	MATHEMATICAL SANS BOLD ITALIC SMALL R
10	MATHEMATICAL SANS ITALIC CAPITAL I	68	MATHEMATICAL SANS BOLD ITALIC SMALL S
11	MATHEMATICAL SANS ITALIC CAPITAL J	69	MATHEMATICAL SANS BOLD ITALIC SMALL T
12	MATHEMATICAL SANS ITALIC CAPITAL K	6A	MATHEMATICAL SANS BOLD ITALIC SMALL U
13	MATHEMATICAL SANS ITALIC CAPITAL L	6B	MATHEMATICAL SANS BOLD ITALIC SMALL V
14	MATHEMATICAL SANS ITALIC CAPITAL M	6C	MATHEMATICAL SANS BOLD ITALIC SMALL W
15	MATHEMATICAL SANS ITALIC CAPITAL N	6D	MATHEMATICAL SANS BOLD ITALIC SMALL X
16	MATHEMATICAL SANS ITALIC CAPITAL O	6E	MATHEMATICAL SANS BOLD ITALIC SMALL Y
17	MATHEMATICAL SANS ITALIC CAPITAL P	6F	MATHEMATICAL SANS BOLD ITALIC SMALL Z
18	MATHEMATICAL SANS ITALIC CAPITAL Q	70	MATHEMATICAL MONOSPACE CAPITAL A
19	MATHEMATICAL SANS ITALIC CAPITAL R	71	MATHEMATICAL MONOSPACE CAPITAL B
1A	MATHEMATICAL SANS ITALIC CAPITAL S	72	MATHEMATICAL MONOSPACE CAPITAL C
1B	MATHEMATICAL SANS ITALIC CAPITAL T	73	MATHEMATICAL MONOSPACE CAPITAL D
1C	MATHEMATICAL SANS ITALIC CAPITAL U	74	MATHEMATICAL MONOSPACE CAPITAL E
1D	MATHEMATICAL SANS ITALIC CAPITAL V	75	MATHEMATICAL MONOSPACE CAPITAL F
1E	MATHEMATICAL SANS ITALIC CAPITAL W	76	MATHEMATICAL MONOSPACE CAPITAL G
1F	MATHEMATICAL SANS ITALIC CAPITAL X	77	MATHEMATICAL MONOSPACE CAPITAL H
20	MATHEMATICAL SANS ITALIC CAPITAL Y	78	MATHEMATICAL MONOSPACE CAPITAL I
21	MATHEMATICAL SANS ITALIC CAPITAL Z	79	MATHEMATICAL MONOSPACE CAPITAL J
22	MATHEMATICAL SANS ITALIC SMALL A	7A	MATHEMATICAL MONOSPACE CAPITAL K
23	MATHEMATICAL SANS ITALIC SMALL B	7B	MATHEMATICAL MONOSPACE CAPITAL L
24	MATHEMATICAL SANS ITALIC SMALL C	7C	MATHEMATICAL MONOSPACE CAPITAL M
25	MATHEMATICAL SANS ITALIC SMALL D	7D	MATHEMATICAL MONOSPACE CAPITAL N
26	MATHEMATICAL SANS ITALIC SMALL E	7E	MATHEMATICAL MONOSPACE CAPITAL O
27	MATHEMATICAL SANS ITALIC SMALL F	7F	MATHEMATICAL MONOSPACE CAPITAL P
28	MATHEMATICAL SANS ITALIC SMALL G		
29	MATHEMATICAL SANS ITALIC SMALL H		
2A	MATHEMATICAL SANS ITALIC SMALL I		
2B	MATHEMATICAL SANS ITALIC SMALL J		
2C	MATHEMATICAL SANS ITALIC SMALL K		
2D	MATHEMATICAL SANS ITALIC SMALL L		
2E	MATHEMATICAL SANS ITALIC SMALL M		
2F	MATHEMATICAL SANS ITALIC SMALL N		
30	MATHEMATICAL SANS ITALIC SMALL O		
31	MATHEMATICAL SANS ITALIC SMALL P		
32	MATHEMATICAL SANS ITALIC SMALL Q		
33	MATHEMATICAL SANS ITALIC SMALL R		
34	MATHEMATICAL SANS ITALIC SMALL S		
35	MATHEMATICAL SANS ITALIC SMALL T		
36	MATHEMATICAL SANS ITALIC SMALL U		
37	MATHEMATICAL SANS ITALIC SMALL V		
38	MATHEMATICAL SANS ITALIC SMALL W		
39	MATHEMATICAL SANS ITALIC SMALL X		
3A	MATHEMATICAL SANS ITALIC SMALL Y		
3B	MATHEMATICAL SANS ITALIC SMALL Z		
3C	MATHEMATICAL SANS BOLD ITALIC CAPITAL A		
3D	MATHEMATICAL SANS BOLD ITALIC CAPITAL B		
3E	MATHEMATICAL SANS BOLD ITALIC CAPITAL C		
3F	MATHEMATICAL SANS BOLD ITALIC CAPITAL D		
40	MATHEMATICAL SANS BOLD ITALIC CAPITAL E		
41	MATHEMATICAL SANS BOLD ITALIC CAPITAL F		
42	MATHEMATICAL SANS BOLD ITALIC CAPITAL G		
43	MATHEMATICAL SANS BOLD ITALIC CAPITAL H		
44	MATHEMATICAL SANS BOLD ITALIC CAPITAL I		
45	MATHEMATICAL SANS BOLD ITALIC CAPITAL J		
46	MATHEMATICAL SANS BOLD ITALIC CAPITAL K		
47	MATHEMATICAL SANS BOLD ITALIC CAPITAL L		
48	MATHEMATICAL SANS BOLD ITALIC CAPITAL M		
49	MATHEMATICAL SANS BOLD ITALIC CAPITAL N		
4A	MATHEMATICAL SANS BOLD ITALIC CAPITAL O		
4B	MATHEMATICAL SANS BOLD ITALIC CAPITAL P		
4C	MATHEMATICAL SANS BOLD ITALIC CAPITAL Q		
4D	MATHEMATICAL SANS BOLD ITALIC CAPITAL R		
4E	MATHEMATICAL SANS BOLD ITALIC CAPITAL S		
4F	MATHEMATICAL SANS BOLD ITALIC CAPITAL T		
50	MATHEMATICAL SANS BOLD ITALIC CAPITAL U		
51	MATHEMATICAL SANS BOLD ITALIC CAPITAL V		
52	MATHEMATICAL SANS BOLD ITALIC CAPITAL W		
53	MATHEMATICAL SANS BOLD ITALIC CAPITAL X		
54	MATHEMATICAL SANS BOLD ITALIC CAPITAL Y		
55	MATHEMATICAL SANS BOLD ITALIC CAPITAL Z		
56	MATHEMATICAL SANS BOLD ITALIC SMALL A		
57	MATHEMATICAL SANS BOLD ITALIC SMALL B		

TABLE 13 – Row D6: MATHEMATICAL ALPHANUMERIC SYMBOLS

	D68	D69	D6A	D6B	D6C	D6D	D6E	D6F
0	Q	g	w	I	Ω	o	ρ	O
1	R	h	x	K	∇	π	ω	Π
2	S	i	y	Λ	α	ρ	A	P
3	T	j	z	M	β	ς	B	
4	U	k		N	γ	σ	Γ	Σ
5	V	l		Ε	δ	τ	Δ	T
6	W	m		O	ε	υ	E	Υ
7	X	n		Π	ζ	φ	Z	Φ
8	Y	o	A	P	η	χ	H	X
9	Z	p	B		θ	ψ	Θ	Ψ
A	a	q	Γ	Σ	ι	ω	I	Ω
B	b	r	Δ	T	κ	∂	K	∇
C	c	s	E	Υ	λ	ε	Λ	α
D	d	t	Z	Φ	μ	ϑ	M	β
E	e	u	H	X	ν	κ	N	γ
F	f	v	Θ	Ψ	ξ	φ	E	δ

G = 00

P = 01

TABLE 13 – Row D6: MATHEMATICAL ALPHANUMERIC SYMBOLS

hex	Name	hex	Name
80	MATHEMATICAL MONOSPACE CAPITAL Q	D8	MATHEMATICAL BOLD SMALL CHI
81	MATHEMATICAL MONOSPACE CAPITAL R	D9	MATHEMATICAL BOLD SMALL PSI
82	MATHEMATICAL MONOSPACE CAPITAL S	DA	MATHEMATICAL BOLD SMALL OMEGA
83	MATHEMATICAL MONOSPACE CAPITAL T	DB	MATHEMATICAL BOLD PARTIAL DIFFERENTIAL
84	MATHEMATICAL MONOSPACE CAPITAL U	DC	MATHEMATICAL BOLD EPSILON SYMBOL
85	MATHEMATICAL MONOSPACE CAPITAL V	DD	MATHEMATICAL BOLD THETA SYMBOL
86	MATHEMATICAL MONOSPACE CAPITAL W	DE	MATHEMATICAL BOLD KAPPA SYMBOL
87	MATHEMATICAL MONOSPACE CAPITAL X	DF	MATHEMATICAL BOLD PHI SYMBOL
88	MATHEMATICAL MONOSPACE CAPITAL Y	E0	MATHEMATICAL BOLD RHO SYMBOL
89	MATHEMATICAL MONOSPACE CAPITAL Z	E1	MATHEMATICAL BOLD PI SYMBOL
8A	MATHEMATICAL MONOSPACE SMALL A	E2	MATHEMATICAL ITALIC CAPITAL ALPHA
8B	MATHEMATICAL MONOSPACE SMALL B	E3	MATHEMATICAL ITALIC CAPITAL BETA
8C	MATHEMATICAL MONOSPACE SMALL C	E4	MATHEMATICAL ITALIC CAPITAL GAMMA
8D	MATHEMATICAL MONOSPACE SMALL D	E5	MATHEMATICAL ITALIC CAPITAL DELTA
8E	MATHEMATICAL MONOSPACE SMALL E	E6	MATHEMATICAL ITALIC CAPITAL EPSILON
8F	MATHEMATICAL MONOSPACE SMALL F	E7	MATHEMATICAL ITALIC CAPITAL ZETA
90	MATHEMATICAL MONOSPACE SMALL G	E8	MATHEMATICAL ITALIC CAPITAL ETA
91	MATHEMATICAL MONOSPACE SMALL H	E9	MATHEMATICAL ITALIC CAPITAL THETA
92	MATHEMATICAL MONOSPACE SMALL I	EA	MATHEMATICAL ITALIC CAPITAL IOTA
93	MATHEMATICAL MONOSPACE SMALL J	EB	MATHEMATICAL ITALIC CAPITAL KAPPA
94	MATHEMATICAL MONOSPACE SMALL K	EC	MATHEMATICAL ITALIC CAPITAL LAMDA
95	MATHEMATICAL MONOSPACE SMALL L	ED	MATHEMATICAL ITALIC CAPITAL MU
96	MATHEMATICAL MONOSPACE SMALL M	EE	MATHEMATICAL ITALIC CAPITAL NU
97	MATHEMATICAL MONOSPACE SMALL N	EF	MATHEMATICAL ITALIC CAPITAL XI
98	MATHEMATICAL MONOSPACE SMALL O	F0	MATHEMATICAL ITALIC CAPITAL OMICRON
99	MATHEMATICAL MONOSPACE SMALL P	F1	MATHEMATICAL ITALIC CAPITAL PI
9A	MATHEMATICAL MONOSPACE SMALL Q	F2	MATHEMATICAL ITALIC CAPITAL RHO
9B	MATHEMATICAL MONOSPACE SMALL R	F3	(This position shall not be used)
9C	MATHEMATICAL MONOSPACE SMALL S	F4	MATHEMATICAL ITALIC CAPITAL SIGMA
9D	MATHEMATICAL MONOSPACE SMALL T	F5	MATHEMATICAL ITALIC CAPITAL TAU
9E	MATHEMATICAL MONOSPACE SMALL U	F6	MATHEMATICAL ITALIC CAPITAL UPSILON
9F	MATHEMATICAL MONOSPACE SMALL V	F7	MATHEMATICAL ITALIC CAPITAL PHI
A0	MATHEMATICAL MONOSPACE SMALL W	F8	MATHEMATICAL ITALIC CAPITAL CHI
A1	MATHEMATICAL MONOSPACE SMALL X	F9	MATHEMATICAL ITALIC CAPITAL PSI
A2	MATHEMATICAL MONOSPACE SMALL Y	FA	MATHEMATICAL ITALIC CAPITAL OMEGA
A3	MATHEMATICAL MONOSPACE SMALL Z	FB	MATHEMATICAL ITALIC NABLA
A4	(This position shall not be used)	FC	MATHEMATICAL ITALIC SMALL ALPHA
A5	(This position shall not be used)	FD	MATHEMATICAL ITALIC SMALL BETA
A6	(This position shall not be used)	FE	MATHEMATICAL ITALIC SMALL GAMMA
A7	(This position shall not be used)	FF	MATHEMATICAL ITALIC SMALL DELTA
A8	MATHEMATICAL BOLD CAPITAL ALPHA		
A9	MATHEMATICAL BOLD CAPITAL BETA		
AA	MATHEMATICAL BOLD CAPITAL GAMMA		
AB	MATHEMATICAL BOLD CAPITAL DELTA		
AC	MATHEMATICAL BOLD CAPITAL EPSILON		
AD	MATHEMATICAL BOLD CAPITAL ZETA		
AE	MATHEMATICAL BOLD CAPITAL ETA		
AF	MATHEMATICAL BOLD CAPITAL THETA		
B0	MATHEMATICAL BOLD CAPITAL IOTA		
B1	MATHEMATICAL BOLD CAPITAL KAPPA		
B2	MATHEMATICAL BOLD CAPITAL LAMDA		
B3	MATHEMATICAL BOLD CAPITAL MU		
B4	MATHEMATICAL BOLD CAPITAL NU		
B5	MATHEMATICAL BOLD CAPITAL XI		
B6	MATHEMATICAL BOLD CAPITAL OMICRON		
B7	MATHEMATICAL BOLD CAPITAL PI		
B8	MATHEMATICAL BOLD CAPITAL RHO		
B9	(This position shall not be used)		
BA	MATHEMATICAL BOLD CAPITAL SIGMA		
BB	MATHEMATICAL BOLD CAPITAL TAU		
BC	MATHEMATICAL BOLD CAPITAL UPSILON		
BD	MATHEMATICAL BOLD CAPITAL PHI		
BE	MATHEMATICAL BOLD CAPITAL CHI		
BF	MATHEMATICAL BOLD CAPITAL PSI		
C0	MATHEMATICAL BOLD CAPITAL OMEGA		
C1	MATHEMATICAL BOLD NABLA		
C2	MATHEMATICAL BOLD SMALL ALPHA		
C3	MATHEMATICAL BOLD SMALL BETA		
C4	MATHEMATICAL BOLD SMALL GAMMA		
C5	MATHEMATICAL BOLD SMALL DELTA		
C6	MATHEMATICAL BOLD SMALL EPSILON		
C7	MATHEMATICAL BOLD SMALL ZETA		
C8	MATHEMATICAL BOLD SMALL ETA		
C9	MATHEMATICAL BOLD SMALL THETA		
CA	MATHEMATICAL BOLD SMALL IOTA		
CB	MATHEMATICAL BOLD SMALL KAPPA		
CC	MATHEMATICAL BOLD SMALL LAMDA		
CD	MATHEMATICAL BOLD SMALL MU		
CE	MATHEMATICAL BOLD SMALL NU		
CF	MATHEMATICAL BOLD SMALL XI		
D0	MATHEMATICAL BOLD SMALL OMICRON		
D1	MATHEMATICAL BOLD SMALL PI		
D2	MATHEMATICAL BOLD SMALL RHO		
D3	MATHEMATICAL BOLD SMALL FINAL SIGMA		
D4	MATHEMATICAL BOLD SMALL SIGMA		
D5	MATHEMATICAL BOLD SMALL TAU		
D6	MATHEMATICAL BOLD SMALL UPSILON		
D7	MATHEMATICAL BOLD SMALL PHI		

TABLE 14 – Row D7: MATHEMATICAL ALPHANUMERIC SYMBOLS

	D70	D71	D72	D73	D74	D75	D76	D77
0	ε	υ	E	Υ	λ	€	Λ	α
1	ζ	φ	Z	Φ	μ	ϑ	M	β
2	η	χ	H	Χ	ν	κ	N	γ
3	θ	ψ	Θ	Ψ	ξ	φ	≡	δ
4	ι	ω	I	Ω	ο	ρ	O	ε
5	κ	ϑ	K	∇	π	ω	Π	ζ
6	λ	€	Λ	α	ρ	A	P	η
7	μ	ϑ	M	β	ς	B		θ
8	ν	κ	N	γ	σ	Γ	Σ	ι
9	ξ	φ	Ξ	δ	τ	Δ	T	κ
A	ο	ρ	O	ε	υ	E	Υ	λ
B	π	ω	Π	ζ	φ	Z	Φ	μ
C	ρ	A	P	η	χ	H	Χ	ν
D	ς	B		θ	ψ	Θ	Ψ	ξ
E	σ	Γ	Σ	ι	ω	I	Ω	ο
F	τ	Δ	T	κ	ϑ	K	∇	Π

G = 00
P = 01

TABLE 14 – Row D7: MATHEMATICAL ALPHANUMERIC SYMBOLS

hex	Name	hex	Name
00	MATHEMATICAL ITALIC SMALL EPSILON	58	MATHEMATICAL SANS BOLD CAPITAL GAMMA
01	MATHEMATICAL ITALIC SMALL ZETA	59	MATHEMATICAL SANS BOLD CAPITAL DELTA
02	MATHEMATICAL ITALIC SMALL ETA	5A	MATHEMATICAL SANS BOLD CAPITAL EPSILON
03	MATHEMATICAL ITALIC SMALL THETA	5B	MATHEMATICAL SANS BOLD CAPITAL ZETA
04	MATHEMATICAL ITALIC SMALL IOTA	5C	MATHEMATICAL SANS BOLD CAPITAL ETA
05	MATHEMATICAL ITALIC SMALL KAPPA	5D	MATHEMATICAL SANS BOLD CAPITAL THETA
06	MATHEMATICAL ITALIC SMALL LAMDA	5E	MATHEMATICAL SANS BOLD CAPITAL IOTA
07	MATHEMATICAL ITALIC SMALL MU	5F	MATHEMATICAL SANS BOLD CAPITAL KAPPA
08	MATHEMATICAL ITALIC SMALL NU	60	MATHEMATICAL SANS BOLD CAPITAL LAMDA
09	MATHEMATICAL ITALIC SMALL XI	61	MATHEMATICAL SANS BOLD CAPITAL MU
0A	MATHEMATICAL ITALIC SMALL OMICRON	62	MATHEMATICAL SANS BOLD CAPITAL NU
0B	MATHEMATICAL ITALIC SMALL PI	63	MATHEMATICAL SANS BOLD CAPITAL XI
0C	MATHEMATICAL ITALIC SMALL RHO	64	MATHEMATICAL SANS BOLD CAPITAL OMICRON
0D	MATHEMATICAL ITALIC SMALL FINAL SIGMA	65	MATHEMATICAL SANS BOLD CAPITAL PI
0E	MATHEMATICAL ITALIC SMALL SIGMA	66	MATHEMATICAL SANS BOLD CAPITAL RHO
0F	MATHEMATICAL ITALIC SMALL TAU	67	(This position shall not be used)
10	MATHEMATICAL ITALIC SMALL UPSILON	68	MATHEMATICAL SANS BOLD CAPITAL SIGMA
11	MATHEMATICAL ITALIC SMALL PHI	69	MATHEMATICAL SANS BOLD CAPITAL TAU
12	MATHEMATICAL ITALIC SMALL CHI	6A	MATHEMATICAL SANS BOLD CAPITAL UPSILON
13	MATHEMATICAL ITALIC SMALL PSI	6B	MATHEMATICAL SANS BOLD CAPITAL PHI
14	MATHEMATICAL ITALIC SMALL OMEGA	6C	MATHEMATICAL SANS BOLD CAPITAL CHI
15	MATHEMATICAL ITALIC PARTIAL DIFFERENTIAL	6D	MATHEMATICAL SANS BOLD CAPITAL PSI
16	MATHEMATICAL ITALIC EPSILON SYMBOL	6E	MATHEMATICAL SANS BOLD CAPITAL OMEGA
17	MATHEMATICAL ITALIC THETA SYMBOL	6F	MATHEMATICAL SANS BOLD NABLA
18	MATHEMATICAL ITALIC KAPPA SYMBOL	70	MATHEMATICAL SANS BOLD SMALL ALPHA
19	MATHEMATICAL ITALIC PHI SYMBOL	71	MATHEMATICAL SANS BOLD SMALL BETA
1A	MATHEMATICAL ITALIC RHO SYMBOL	72	MATHEMATICAL SANS BOLD SMALL GAMMA
1B	MATHEMATICAL ITALIC PI SYMBOL	73	MATHEMATICAL SANS BOLD SMALL DELTA
1C	MATHEMATICAL BOLD ITALIC CAPITAL ALPHA	74	MATHEMATICAL SANS BOLD SMALL EPSILON
1D	MATHEMATICAL BOLD ITALIC CAPITAL BETA	75	MATHEMATICAL SANS BOLD SMALL ZETA
1E	MATHEMATICAL BOLD ITALIC CAPITAL GAMMA	76	MATHEMATICAL SANS BOLD SMALL ETA
1F	MATHEMATICAL BOLD ITALIC CAPITAL DELTA	77	MATHEMATICAL SANS BOLD SMALL THETA
20	MATHEMATICAL BOLD ITALIC CAPITAL EPSILON	78	MATHEMATICAL SANS BOLD SMALL IOTA
21	MATHEMATICAL BOLD ITALIC CAPITAL ZETA	79	MATHEMATICAL SANS BOLD SMALL KAPPA
22	MATHEMATICAL BOLD ITALIC CAPITAL ETA	7A	MATHEMATICAL SANS BOLD SMALL LAMDA
23	MATHEMATICAL BOLD ITALIC CAPITAL THETA	7B	MATHEMATICAL SANS BOLD SMALL MU
24	MATHEMATICAL BOLD ITALIC CAPITAL IOTA	7C	MATHEMATICAL SANS BOLD SMALL NU
25	MATHEMATICAL BOLD ITALIC CAPITAL KAPPA	7D	MATHEMATICAL SANS BOLD SMALL XI
26	MATHEMATICAL BOLD ITALIC CAPITAL LAMDA	7E	MATHEMATICAL SANS BOLD SMALL OMICRON
27	MATHEMATICAL BOLD ITALIC CAPITAL MU	7F	MATHEMATICAL SANS BOLD SMALL PI
28	MATHEMATICAL BOLD ITALIC CAPITAL NU		
29	MATHEMATICAL BOLD ITALIC CAPITAL XI		
2A	MATHEMATICAL BOLD ITALIC CAPITAL OMICRON		
2B	MATHEMATICAL BOLD ITALIC CAPITAL PI		
2C	MATHEMATICAL BOLD ITALIC CAPITAL RHO		
2D	(This position shall not be used)		
2E	MATHEMATICAL BOLD ITALIC CAPITAL SIGMA		
2F	MATHEMATICAL BOLD ITALIC CAPITAL TAU		
30	MATHEMATICAL BOLD ITALIC CAPITAL UPSILON		
31	MATHEMATICAL BOLD ITALIC CAPITAL PHI		
32	MATHEMATICAL BOLD ITALIC CAPITAL CHI		
33	MATHEMATICAL BOLD ITALIC CAPITAL PSI		
34	MATHEMATICAL BOLD ITALIC CAPITAL OMEGA		
35	MATHEMATICAL BOLD ITALIC NABLA		
36	MATHEMATICAL BOLD ITALIC SMALL ALPHA		
37	MATHEMATICAL BOLD ITALIC SMALL BETA		
38	MATHEMATICAL BOLD ITALIC SMALL GAMMA		
39	MATHEMATICAL BOLD ITALIC SMALL DELTA		
3A	MATHEMATICAL BOLD ITALIC SMALL EPSILON		
3B	MATHEMATICAL BOLD ITALIC SMALL ZETA		
3C	MATHEMATICAL BOLD ITALIC SMALL ETA		
3D	MATHEMATICAL BOLD ITALIC SMALL THETA		
3E	MATHEMATICAL BOLD ITALIC SMALL IOTA		
3F	MATHEMATICAL BOLD ITALIC SMALL KAPPA		
40	MATHEMATICAL BOLD ITALIC SMALL LAMDA		
41	MATHEMATICAL BOLD ITALIC SMALL MU		
42	MATHEMATICAL BOLD ITALIC SMALL NU		
43	MATHEMATICAL BOLD ITALIC SMALL XI		
44	MATHEMATICAL BOLD ITALIC SMALL OMICRON		
45	MATHEMATICAL BOLD ITALIC SMALL PI		
46	MATHEMATICAL BOLD ITALIC SMALL RHO		
47	MATHEMATICAL BOLD ITALIC SMALL FINAL SIGMA		
48	MATHEMATICAL BOLD ITALIC SMALL SIGMA		
49	MATHEMATICAL BOLD ITALIC SMALL TAU		
4A	MATHEMATICAL BOLD ITALIC SMALL UPSILON		
4B	MATHEMATICAL BOLD ITALIC SMALL PHI		
4C	MATHEMATICAL BOLD ITALIC SMALL CHI		
4D	MATHEMATICAL BOLD ITALIC SMALL PSI		
4E	MATHEMATICAL BOLD ITALIC SMALL OMEGA		
4F	MATHEMATICAL BOLD ITALIC PARTIAL DIFFERENTIAL		
50	MATHEMATICAL BOLD ITALIC EPSILON SYMBOL		
51	MATHEMATICAL BOLD ITALIC THETA SYMBOL		
52	MATHEMATICAL BOLD ITALIC KAPPA SYMBOL		
53	MATHEMATICAL BOLD ITALIC PHI SYMBOL		
54	MATHEMATICAL BOLD ITALIC RHO SYMBOL		
55	MATHEMATICAL BOLD ITALIC PI SYMBOL		
56	MATHEMATICAL SANS BOLD CAPITAL ALPHA		
57	MATHEMATICAL SANS BOLD CAPITAL BETA		

TABLE 15 – Row D7: MATHEMATICAL ALPHANUMERIC SYMBOLS

	D78	D79	D7A	D7B	D7C	D7D	D7E	D7F
0	ρ	A	P	η	χ	2	8	4
1	ς	B		θ	ψ	3	9	5
2	σ	Γ	Σ	ι	ω	4	0	6
3	τ	Δ	T	κ	∂	5	1	7
4	υ	E	Υ	λ	€	6	2	8
5	φ	Z	Φ	μ	∂	7	3	9
6	χ	H	X	ν	χ	8	4	0
7	ψ	Θ	Ψ	ξ	φ	9	5	1
8	ω	I	Ω	ο	ρ	0	6	2
9	∂	K	∇	π	ω	1	7	3
A	€	Λ	α	ρ		2	8	4
B	∂	M	β	ς		3	9	5
C	χ	N	γ	σ		4	0	6
D	φ	Ξ	δ	τ		5	1	7
E	ρ	O	ε	υ	0	6	2	8
F	ω	Π	ζ	φ	1	7	3	9

G = 00
P = 01

TABLE 15 – Row D7: MATHEMATICAL ALPHANUMERIC SYMBOLS

hex	Name	hex	Name
80	MATHEMATICAL SANS BOLD SMALL RHO	D8	MATHEMATICAL OPEN-FACE DIGIT 0
81	MATHEMATICAL SANS BOLD SMALL FINAL SIGMA	D9	MATHEMATICAL OPEN-FACE DIGIT 1
82	MATHEMATICAL SANS BOLD SMALL SIGMA	DA	MATHEMATICAL OPEN-FACE DIGIT 2
83	MATHEMATICAL SANS BOLD SMALL TAU	DB	MATHEMATICAL OPEN-FACE DIGIT 3
84	MATHEMATICAL SANS BOLD SMALL UPSILON	DC	MATHEMATICAL OPEN-FACE DIGIT 4
85	MATHEMATICAL SANS BOLD SMALL PHI	DD	MATHEMATICAL OPEN-FACE DIGIT 5
86	MATHEMATICAL SANS BOLD SMALL CHI	DE	MATHEMATICAL OPEN-FACE DIGIT 6
87	MATHEMATICAL SANS BOLD SMALL PSI	DF	MATHEMATICAL OPEN-FACE DIGIT 7
88	MATHEMATICAL SANS BOLD SMALL OMEGA	E0	MATHEMATICAL OPEN-FACE DIGIT 8
89	MATHEMATICAL SANS BOLD PARTIAL DIFFERENTIAL	E1	MATHEMATICAL OPEN-FACE DIGIT 9
8A	MATHEMATICAL SANS BOLD EPSILON SYMBOL	E2	MATHEMATICAL SANS DIGIT 0
8B	MATHEMATICAL SANS BOLD THETA SYMBOL	E3	MATHEMATICAL SANS DIGIT 1
8C	MATHEMATICAL SANS BOLD KAPPA SYMBOL	E4	MATHEMATICAL SANS DIGIT 2
8D	MATHEMATICAL SANS BOLD PHI SYMBOL	E5	MATHEMATICAL SANS DIGIT 3
8E	MATHEMATICAL SANS BOLD RHO SYMBOL	E6	MATHEMATICAL SANS DIGIT 4
8F	MATHEMATICAL SANS BOLD PI SYMBOL	E7	MATHEMATICAL SANS DIGIT 5
90	MATHEMATICAL SANS BOLD ITALIC CAPITAL ALPHA	E8	MATHEMATICAL SANS DIGIT 6
91	MATHEMATICAL SANS BOLD ITALIC CAPITAL BETA	E9	MATHEMATICAL SANS DIGIT 7
92	MATHEMATICAL SANS BOLD ITALIC CAPITAL GAMMA	EA	MATHEMATICAL SANS DIGIT 8
93	MATHEMATICAL SANS BOLD ITALIC CAPITAL DELTA	EB	MATHEMATICAL SANS DIGIT 9
94	MATHEMATICAL SANS BOLD ITALIC CAPITAL EPSILON	EC	MATHEMATICAL SANS BOLD DIGIT 0
95	MATHEMATICAL SANS BOLD ITALIC CAPITAL ZETA	ED	MATHEMATICAL SANS BOLD DIGIT 1
96	MATHEMATICAL SANS BOLD ITALIC CAPITAL ETA	EE	MATHEMATICAL SANS BOLD DIGIT 2
97	MATHEMATICAL SANS BOLD ITALIC CAPITAL THETA	EF	MATHEMATICAL SANS BOLD DIGIT 3
98	MATHEMATICAL SANS BOLD ITALIC CAPITAL IOTA	F0	MATHEMATICAL SANS BOLD DIGIT 4
99	MATHEMATICAL SANS BOLD ITALIC CAPITAL KAPPA	F1	MATHEMATICAL SANS BOLD DIGIT 5
9A	MATHEMATICAL SANS BOLD ITALIC CAPITAL LAMDA	F2	MATHEMATICAL SANS BOLD DIGIT 6
9B	MATHEMATICAL SANS BOLD ITALIC CAPITAL MU	F3	MATHEMATICAL SANS BOLD DIGIT 7
9C	MATHEMATICAL SANS BOLD ITALIC CAPITAL NU	F4	MATHEMATICAL SANS BOLD DIGIT 8
9D	MATHEMATICAL SANS BOLD ITALIC CAPITAL XI	F5	MATHEMATICAL SANS BOLD DIGIT 9
9E	MATHEMATICAL SANS BOLD ITALIC CAPITAL OMICRON	F6	MATHEMATICAL MONOSPACE DIGIT 0
9F	MATHEMATICAL SANS BOLD ITALIC CAPITAL PI	F7	MATHEMATICAL MONOSPACE DIGIT 1
A0	MATHEMATICAL SANS BOLD ITALIC CAPITAL RHO	F8	MATHEMATICAL MONOSPACE DIGIT 2
A1	(This position shall not be used)	F9	MATHEMATICAL MONOSPACE DIGIT 3
A2	MATHEMATICAL SANS BOLD ITALIC CAPITAL SIGMA	FA	MATHEMATICAL MONOSPACE DIGIT 4
A3	MATHEMATICAL SANS BOLD ITALIC CAPITAL TAU	FB	MATHEMATICAL MONOSPACE DIGIT 5
A4	MATHEMATICAL SANS BOLD ITALIC CAPITAL UPSILON	FC	MATHEMATICAL MONOSPACE DIGIT 6
A5	MATHEMATICAL SANS BOLD ITALIC CAPITAL PHI	FD	MATHEMATICAL MONOSPACE DIGIT 7
A6	MATHEMATICAL SANS BOLD ITALIC CAPITAL CHI	FE	MATHEMATICAL MONOSPACE DIGIT 8
A7	MATHEMATICAL SANS BOLD ITALIC CAPITAL PSI	FF	MATHEMATICAL MONOSPACE DIGIT 9
A8	MATHEMATICAL SANS BOLD ITALIC CAPITAL OMEGA		
A9	MATHEMATICAL SANS BOLD ITALIC NABLA		
AA	MATHEMATICAL SANS BOLD ITALIC SMALL ALPHA		
AB	MATHEMATICAL SANS BOLD ITALIC SMALL BETA		
AC	MATHEMATICAL SANS BOLD ITALIC SMALL GAMMA		
AD	MATHEMATICAL SANS BOLD ITALIC SMALL DELTA		
AE	MATHEMATICAL SANS BOLD ITALIC SMALL EPSILON		
AF	MATHEMATICAL SANS BOLD ITALIC SMALL ZETA		
B0	MATHEMATICAL SANS BOLD ITALIC SMALL ETA		
B1	MATHEMATICAL SANS BOLD ITALIC SMALL THETA		
B2	MATHEMATICAL SANS BOLD ITALIC SMALL IOTA		
B3	MATHEMATICAL SANS BOLD ITALIC SMALL KAPPA		
B4	MATHEMATICAL SANS BOLD ITALIC SMALL LAMDA		
B5	MATHEMATICAL SANS BOLD ITALIC SMALL MU		
B6	MATHEMATICAL SANS BOLD ITALIC SMALL NU		
B7	MATHEMATICAL SANS BOLD ITALIC SMALL XI		
B8	MATHEMATICAL SANS BOLD ITALIC SMALL OMICRON		
B9	MATHEMATICAL SANS BOLD ITALIC SMALL PI		
BA	MATHEMATICAL SANS BOLD ITALIC SMALL RHO		
BB	MATHEMATICAL SANS BOLD ITALIC SMALL FINAL SIGMA		
BC	MATHEMATICAL SANS BOLD ITALIC SMALL SIGMA		
BD	MATHEMATICAL SANS BOLD ITALIC SMALL TAU		
BE	MATHEMATICAL SANS BOLD ITALIC SMALL UPSILON		
BF	MATHEMATICAL SANS BOLD ITALIC SMALL PHI		
C0	MATHEMATICAL SANS BOLD ITALIC SMALL CHI		
C1	MATHEMATICAL SANS BOLD ITALIC SMALL PSI		
C2	MATHEMATICAL SANS BOLD ITALIC SMALL OMEGA		
C3	MATHEMATICAL SANS BOLD ITALIC PARTIAL DIFFERENTIAL		
C4	MATHEMATICAL SANS BOLD ITALIC EPSILON SYMBOL		
C5	MATHEMATICAL SANS BOLD ITALIC THETA SYMBOL		
C6	MATHEMATICAL SANS BOLD ITALIC KAPPA SYMBOL		
C7	MATHEMATICAL SANS BOLD ITALIC PHI SYMBOL		
C8	MATHEMATICAL SANS BOLD ITALIC RHO SYMBOL		
C9	MATHEMATICAL SANS BOLD ITALIC PI SYMBOL		
CA	(This position shall not be used)		
CB	(This position shall not be used)		
CC	(This position shall not be used)		
CD	(This position shall not be used)		
CE	MATHEMATICAL BOLD DIGIT 0		
CF	MATHEMATICAL BOLD DIGIT 1		
D0	MATHEMATICAL BOLD DIGIT 2		
D1	MATHEMATICAL BOLD DIGIT 3		
D2	MATHEMATICAL BOLD DIGIT 4		
D3	MATHEMATICAL BOLD DIGIT 5		
D4	MATHEMATICAL BOLD DIGIT 6		
D5	MATHEMATICAL BOLD DIGIT 7		
D6	MATHEMATICAL BOLD DIGIT 8		
D7	MATHEMATICAL BOLD DIGIT 9		

Group 00

Plane 01

Row D7

10.2 Supplementary Plane for CJK Ideographs

Unlike the CJK Unified Ideographs described in ISO/IEC 10646-1 that had CG, CT, J, K and V entries, the following code charts contain a single entry for each character. The source reference for these characters is provided by a separate document.

Editor's note: The source document is only provided in electronic format downloadable from the ISO/IEC JTC1/SC2 Web site. Exact instructions will be provided by the SC2 secretariat.

NOTE - The Part 1 Annex R describes the Procedure for the unification and arrangement of CJK ideographs and is also applicable to this part at the exception of the source separation rule described in clause R.1.6.

The repertoire ordering is based on the Kangxi Dictionary ordering.

Editor's note: The document IRG 675 says that the repertoire ordering is based on the Kangxi Dictionary, but this is implying that the dictionary is a source for all characters included in Extension B. The source document is also hinting at this. However, this should be confirmed by IRG.

The sources for these CJK Unified ideographs are:

- Kangxi Dictionary ideographs 《康熙字典》, including the addendum 《康熙字典》補遺, which are not already encoded in the BMP.
- Han Yu Da Zi Dian ideographs 《漢語大字典》 that are not already encoded in the BMP.
- Unique Hanzi from
 - o Ci Yuan 《辭源》
 - o Ci Hai 《辭海》
 - o Hanyu Da Cidian 《漢語大詞典》
 - o Chinese Encyclopedia 《中國大百科全書》
 - o Founder Press System 方正排版系統
 - o Siku Quanshu 《四庫全書》
- Hanzi TCA
 - o TCA-CNS 11643-1992 4th plane
 - o TCA-CNS 11643-1992 5th plane
 - o TCA-CNS 11643-1992 6th plane
 - o TCA-CNS 11643-1992 7th plane
 - o TCA-CNS 11643-1992 15th plane
- Hanzi from Hong Kong

- o Government Chinese Character Set (GCCS_1 and GCCS_2)
- o Industry Collection, Part A, B and C.
- Kanji from JPNxxx
- Hanja
 - o PKS 5700-3:1998
- ChuNom
 - o TCVN 5773:1993
 - o VHN 01:1998
 - o VHN 02:1998

Editor's note: CJK Unified Ideographs allocation as specified in the CJK Unified Ideographs Extension B Working Draft 1999-02-07, Document WG2/IRG N615.

For CJK Ideographs in this plane, the names shall be algorithmically constructed by appending their four-octet coded representation in hexadecimal notation to "CJK UNIFIED IDEOGRAPH-". For example, the first CJK Ideograph character in this plane has the name "CJK UNIFIED IDEOGRAPH-00020100".

The source document is a plain text file that provides for each line a number of fixed width fields containing the source information. The format is as following:

- 01-10 octet: Ignorable
- 11-14 octet: Plane 2 code value (hhhh)
- 15-16 octet: Ignorable
- 17-24 octet: Kangxi Dictionary (dddd.ddd)
- 25-33 octet: Han Yu Da Zian (dddddd.ddd)
- 34-40 octet: Unique Hanzi (G_4K), (G_BK), (G_CY), (G_HC), (G_HZ) and (G_KX), each followed by 3 space characters.
- 41-47 octet: Hanzi TCA (Th-hhhh)
- 48-54 octet: Kanji (JPNddd)
- 55-61 octet: Hanja (K-dddd)
- 62-68 octet: ChuNom (vd-hhhh)
- 69-75 octet: Hanzi Hong Kong (HA-dddd), (HB-dddd) or (HC-dddd)
- 76-82 octet: Ignorable

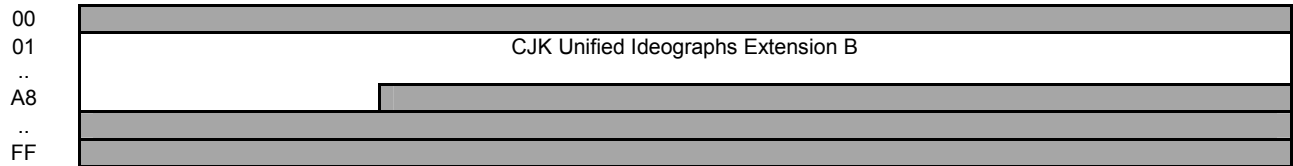
The format definition uses 'd' as a decimal unit and 'h' as a hexadecimal unit. Uppercase characters and all other symbols between parentheses including the space character appear as shown. Examples: ('- for ignorable characters):



```

-----0CAA--0174.09180013.020G_HZ   TF-214E           HA-0078-----
-----0E3E--0196.06010646.040G_KX   T5-314E           K-0029           -----
-----186F--0264.15021060.070G_KX   T5-3169           V3-3127          -----
-----3587--0526.21121194.040G_HZ   T6-384CJPN102    -----
    
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The following figure 2 shows an overview of the Supplementary Plane for CJK Ideographs. Detailed code tables are shown on the following pages.

Row-octet



 = reserved for future standardization

NOTE: Vertical boundaries within rows are indicated in approximate positions only.

Figure 2 – Overview of the Supplementary Plane for CJK Unified Ideographs

Editor's Note: This is a placeholder for the 335 pages containing the code charts for the CJK Unified Ideographs Extension B. These code charts are only available in paper form numbered from 1 to 335.