

## G5 CD Cover Page

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Introductory note:  In accordance with Resolution M09.14 of the SC 2 Fukuoka Plenary Meeting in March 1999 and Resolution M37.11 of the SC 2/WG 2 Copenhagen meeting in September 1999, this document is circulated to the SC 2 members for a 3 month CD letter ballot. SC 2 members are requested to submit their votes and comments to the SC 2 Secretariat <b><u>as soon as possible but not later than 2000-02-29.</u></b>
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Committee Draft 10646-2

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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.

<u>Plane ranges</u>	<u>High-half_and_low-half_zone_values</u>
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>
<u>Position</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	Μ		
2	⟨	Ϙ	∨	
3	▷	Ρ	X	
4	Ϝ	≤	↑	
5	Ϝ	Τ	⊛	
6	Ι	Υ	⊖	
7	⊕	+	∅	
8	⊙	∅	⊕⊕⊕	G = 00 P = 01
9		Ψ	⊕⊕⊕	
A	K	8		
B	L	Ԁ		
C	Ӆ	Ԁ		
D	Ԉ	Ԁ		
E	Ԇ	߻		
F	O			

**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	À	à	
1	Ɓ	߱	
2	߂	߃	
3	߄	߅	
4	߆	߈	
5	߇	߉	
6	ߋ	ߌ	
7	ߑ	ߑ	
8	ߑ	ߑ	G = 00 P = 01
9	ߑ	ߑ	
A	ߑ	ߑ	
B	ߑ	ߑ	
C	ߑ		
D	ߑ		
E	ߑ		
F	ߑ		

**TABLE 2 – Row 03: GOTHIC**

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

**TABLE 3 – Row 04: DESERET**

	040	041	042	043	044
0	θ	Ψ	S	↳	Ω
1	Ξ	↖	Φ	↶	ρ
2	Θ	Ⓐ	ſ	↷	϶
3	Ѻ	Ѩ	Ҫ	Ҩ	Ӆ
4	Ѻ	Ѩ	Ҥ	ڶ	ݧ
5	Ӫ	Ҫ	Ӥ	ӫ	ӫ
6	†	ӫ		ԝ	ߋ
7	ڶ	Ӫ		Ѱ	Ԁ
8	ڸ	Ӫ	Ӫ	Ѱ	S
9	ԝ	ߩ	ܧ	ܶ	ܨ
A	ܰ	ܳ	ܧ	ܾ	ܲ
B	ܨ	ܴ	ܧ	ܱ	ܲ
C	ܲ	ܸ	ܨ	ܾ	ܲ
D	ܰ	ܸ	ܨ	ܴ	ܩ
E	ԝ	ܶ	†	ӫ	
F	Ѱ	Ԁ	ڶ	Ӫ	

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	♩	..	/	∨	zz	↗	~~
1	♪	♪	♩	~	✓	~	~~
2	~	»	~	„„	X	↗	~~
3	↗	~	~	„/	‰‰	~	~
4	‰‰	⊕	~	⊕	‰‰	~	~
5	＼	⊖	~	⊕	‰‰	~	~
6	‰‰	¤	¤	~	~	~	~
7	~	↓	~	~	~	~	~
8	~	x	‰‰	~	~	~	~
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 EKFONITIKON 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 EKFONITIKON 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 ANTIKENOKYLYSMA SIGN (l)
0C	GREEK BYZANTINE MUSIC KREMASTI SIGN (u)	63	GREEK BYZANTINE MUSIC TROMIKON LATE SIGN (l)
0D	GREEK BYZANTINE MUSIC APESO EKFONITIKON SIGN (l)	64	GREEK BYZANTINE MUSIC EKSTREPTON SIGN (l)
0E	GREEK BYZANTINE MUSIC EXO EKFONITIKON 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 ARGOSYNTHETO N 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 TIHEMA APLOUN SIGN (l)
22	GREEK BYZANTINE MUSIC APODERMA ARCHAIC SIGN (l)	79	GREEK BYZANTINE MUSIC THES KAI APOTHEΣ 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 DYΟ SIGN (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 CHAMLI SIGN (m)		

Group 00

Plane 01

Row D0

**TABLE 5 – Row D0: BYZANTINE MUSICAL SYMBOLS**

D08	D09	D0A	D0B	D0C	D0D	D0E	D0F
0	„	—	✗	—	✗	σ	œ
1	✗	—	✗	✓	✗	σ	œ
2	✗	—	œ	✗	✗	σ	œ
3	„	—	œ	✗	—	σ*	œ
4	—	—	œ	—	σ	ρ	œ
5	.	—	—	—	—	ρ	œ
6	„	—	✗	✗	—	ρ	—
7	...	—	œœ	—	σ	*ρ	—
8	....	—	œ	—	σ	δ	—
9	^	—	œ	—	σ	φ	π
A	✗	✗	œœœ	φ	—	—	δ
B	✗	✗	✗	φ	σ	—	—
C	✗	✗	—	—	*σ	—	Δ
D	✗	✗	—	œ	σ	†	κ
E	✗	✗	—	œ	σ	—	—
F	—	✗	—	δ	σ	—	—

G = 00

P = 01

**TABLE 5 – Row D0: BYZANTINE MUSICAL SYMBOLS**

hex	Name	hex	Name
80	GREEK BYZANTINE MUSIC DIPLI ARCHAIC SIGN (I)	C6	GREEK BYZANTINE MUSIC FTHORA SKLIRON CHROMA SYNAFI SIGN (u)
81	GREEK BYZANTINE MUSIC KRATIMA ARCHAIC SIGN (I)	C7	GREEK BYZANTINE MUSIC FTHORA NENANO SIGN (u)
82	GREEK BYZANTINE MUSIC KRATIMA ALLO SIGN (I)	C8	GREEK BYZANTINE MUSIC CHROA ZYGOS SIGN (u)
83	GREEK BYZANTINE MUSIC KRATIMA LATE SIGN (I)	C9	GREEK BYZANTINE MUSIC CHROA KLITON SIGN (u)
84	GREEK BYZANTINE MUSIC APODERMA LATE SIGN (I)	CA	GREEK BYZANTINE MUSIC CHROA SPATHI SIGN (u)
85	GREEK BYZANTINE MUSIC APLI SIGN (I)	CB	GREEK BYZANTINE MUSIC FTHORA I YFESIS TETARTIMORION SIGN (u)
86	GREEK BYZANTINE MUSIC DIPLI SIGN (I)	CC	GREEK BYZANTINE MUSIC FTHORA ENARMONIOS ANTIFONIA SIGN (u)
87	GREEK BYZANTINE MUSIC TRIPLI SIGN (I)	CD	GREEK BYZANTINE MUSIC YFESIS TRITIMORION SIGN (u)
88	GREEK BYZANTINE MUSIC TETRAPLI SIGN (I)	CE	GREEK BYZANTINE MUSIC DIESIS TRITIMORION SIGN (I)
89	GREEK BYZANTINE MUSIC KORONIS SIGN (u)	CF	GREEK BYZANTINE MUSIC DIESIS TETARTIMORION SIGN (I)
8A	GREEK BYZANTINE MUSIC LEIMMA ENOS CHRONOU SIGN (m)	D0	GREEK BYZANTINE MUSIC DIESIS APLI DYO DODEKATA SIGN (I)
8B	GREEK BYZANTINE MUSIC LEIMMA DYO CHRONON SIGN (m)	D1	GREEK BYZANTINE MUSIC DIESIS MONOGRAMMOS TESSERA DODEKATA SIGN (I)
8C	GREEK BYZANTINE MUSIC LEIMMA TRION CHRONON SIGN (m)	D2	GREEK BYZANTINE MUSIC DIESIS DIGRAMMOS EX DODEKATA SIGN (I)
8D	GREEK BYZANTINE MUSIC LEIMMA TESSARON CHRONON SIGN (m)	D3	GREEK BYZANTINE MUSIC DIESIS TRIGRAMMOS OKTO DODEKATA SIGN (I)
8E	GREEK BYZANTINE MUSIC LEIMMA IMISEOS CHRONOU SIGN (m)	D4	GREEK BYZANTINE MUSIC YFESIS APLI DYO DODEKATA SIGN (u)
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 DISIMOU SIGN
9A	GREEK BYZANTINE MUSIC AGOGI POLI ARGI SIGN (u)	E0	GREEK BYZANTINE MUSIC SIMANSIS THESEOS TRISIMOU SIGN
9B	GREEK BYZANTINE MUSIC AGOGI ARGOTERI SIGN (u)	E1	GREEK BYZANTINE MUSIC SIMANSIS THESEOS TETRASIMOU 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 DISIMOU SIGN
9E	GREEK BYZANTINE MUSIC AGOGI MESI SIGN (u)	E4	GREEK BYZANTINE MUSIC SIMANSIS ARSEOS TRISIMOU SIGN
9F	GREEK BYZANTINE MUSIC AGOGI GORGİ SIGN (u)	E5	GREEK BYZANTINE MUSIC SIMANSIS ARSEOS TETRASIMOU SIGN
A0	GREEK BYZANTINE MUSIC AGOGI GORGOTERI SIGN (u)	E6	GREEK BYZANTINE MUSIC DIGRAMMA GG SIGN
A1	GREEK BYZANTINE MUSIC AGOGI POLI GORGİ SIGN (u)	E7	GREEK BYZANTINE MUSIC DIFTOGGOS OU SIGN
A2	GREEK BYZANTINE MUSIC MARTYRIA PROTOS ICHOS SIGN (m)	E8	GREEK BYZANTINE MUSIC STIGMA SIGN
A3	GREEK BYZANTINE MUSIC MARTYRIA ALLI PROTOS ICHOS SIGN (m)	E9	GREEK BYZANTINE MUSIC ARKTIKO PA SIGN
A4	GREEK BYZANTINE MUSIC MARTYRIA DEYTEROS ICHOS SIGN (m)	EA	GREEK BYZANTINE MUSIC ARKTIKO VOU SIGN
A5	GREEK BYZANTINE MUSIC MARTYRIA ALLI 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)	F0	GREEK BYZANTINE MUSIC ARKTIKO NI SIGN
AA	GREEK BYZANTINE MUSIC MARTYRIA LEGETOS ICHOS SIGN (m)	F1	GREEK BYZANTINE MUSIC KENTIMATA LATE MESO SIGN (m)
AB	GREEK BYZANTINE MUSIC MARTYRIA PLAGIOS ICHOS SIGN (m)	F2	GREEK BYZANTINE MUSIC KENTIMA LATE MESO SIGN (m)
AC	GREEK BYZANTINE MUSIC ISAKIA TELOUS ICHIMATOS SIGN (m)	F3	GREEK BYZANTINE MUSIC KENTIMATA LATE KATO SIGN (I)
AD	GREEK BYZANTINE MUSIC APOSTROFOI TELOUS ICHIMATOS SIGN (m)	F4	GREEK BYZANTINE MUSIC KENTIMA LATE KATO SIGN (I)
AE	GREEK BYZANTINE MUSIC FANEROSIS TETRAFONIAS SIGN (u)	F5	GREEK BYZANTINE MUSIC KLASMA KATO SIGN (I)
AF	GREEK BYZANTINE MUSIC FANEROSIS MONOFONIAS SIGN (u)	F6	GREEK BYZANTINE MUSIC GORGON LATE KATO SIGN (I)
B0	GREEK BYZANTINE MUSIC FANEROSIS DIFONIAS SIGN (u)	F7	(This position shall not be used)
B1	GREEK BYZANTINE MUSIC MARTYRIA VARYS ICHOS SIGN (m)	F8	(This position shall not be used)
B2	GREEK BYZANTINE MUSIC MARTYRIA PROTOVARYS ICHOS SIGN (m)	F9	(This position shall not be used)
B3	GREEK BYZANTINE MUSIC MARTYRIA PLAGIOS TETARTOS ICHOS SIGN (m)	FA	(This position shall not be used)
B4	GREEK BYZANTINE MUSIC GORTHMIKON N APLOUN SIGN (m)	FB	(This position shall not be used)
B5	GREEK BYZANTINE MUSIC GORTHMIKON N DIPLOUN SIGN	FC	(This position shall not be used)
B6	GREEK BYZANTINE MUSIC ENARXIS KAI FTHORA VOU (u)	FD	(This position shall not be used)
B7	GREEK BYZANTINE MUSIC IMIFONON SIGN (I)	FE	(This position shall not be used)
B8	GREEK BYZANTINE MUSIC IMIFTHONOR SIGN (I)	FF	(This position shall not be used)
B9	GREEK BYZANTINE MUSIC FTHORA ARCHAIC DEYTEROU ICHOU SIGN (u)		
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 (I)		
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)		

Group 00

Plane 01

Row D0

**TABLE 6 – Row D1: WESTERN MUSICAL SYMBOLS**

D10	D11	D12	D13	D14	D15	D16	D17
0	#	>	..	Ø	♪	△	!
1	♭	.	r	/	♪	⊕	‘
2	♯	-	s	✗		⌚	⌚
3	*	‘	z	✗✗		⌚⌚	‘‘
4	𝄪	∨		○	p	⌚⌚	○
5	♩	∨		○○	m	⌚⌚	○○
6	♩	⋮		,	f	⌚⌚	∅
7	♩	-		✗✗	≤	□	○○
8	♩	~~	-	{	▽	▽	○○
9	♩	~~		{	▪	·	○○
A	♩	~	:	♪	▪	○	⌚
B	♩	~	:	♪	▬	⌚⌚	⌚
C	♩	~	:	♪	▬	*	*
D	H̄	~	D.S.	♪	▪	~	×
E	N̄	□	D.C.	♪	▪	~~~~	+
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 IMPERFECTA 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		

Group 00

Plane 01

Row D1

**TABLE 7 – Row D1: WESTERN MUSICAL SYMBOLS**

D18	D19	D1A	D1B	D1C	D1D	D1E	D1F
□	○	♪	15 <sup>ma</sup>	⌚	≡≡≡		
■	○	♪	15 <sup>mb</sup>	˘	≡≡≡		
△	NULL NOTE HEAD	♪	♪	˘	≡≡≡		
▲	•	♪	♪	˘	♪		
△	□	♪	tr	▬▬▬	♪		
▼	▀	.	∞	▬	♪		
△		TIE- START	∞	▬	♪		
△	*	TIE- END	∞	♪	♪		
▽	†	BEAM- START	∞	♪	█ █ █		
▼	‡	BEAM- END	▮	♪	█		
▽	≡	SLUR- START	♪	♪	⌚		
▼	≡	SLUR- END	♪	♪	⌚		
□		PHRASE START	)	♪			
■	○	PHRASE END	)	—			
▽	↓	8 <sup>va</sup>		≡≡			
▼	↓	8 <sup>vb</sup>	⌚	≡≡			

**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 QUINDECIMA ALTA	FE	(This position shall not be used)
B1	WESTERN MUSICAL SYMBOL QUINDECIMA BASSA		
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	<b>A</b>	<b>Q</b>	<b>g</b>	<b>w</b>	<b>M</b>	<b>c</b>	<b>s</b>	<b>I</b>
1	<b>B</b>	<b>R</b>	<b>h</b>	<b>x</b>	<b>N</b>	<b>d</b>	<b>t</b>	<b>J</b>
2	<b>C</b>	<b>S</b>	<b>i</b>	<b>y</b>	<b>O</b>	<b>e</b>	<b>u</b>	<b>K</b>
3	<b>D</b>	<b>T</b>	<b>j</b>	<b>z</b>	<b>P</b>	<b>f</b>	<b>v</b>	<b>L</b>
4	<b>E</b>	<b>U</b>	<b>k</b>	<i>A</i>	<i>Q</i>	<i>g</i>	<i>w</i>	<b>M</b>
5	<b>F</b>	<b>V</b>	<b>l</b>	<i>B</i>	<i>R</i>		<i>x</i>	<b>N</b>
6	<b>G</b>	<b>W</b>	<b>m</b>	<i>C</i>	<i>S</i>	<i>i</i>	<i>y</i>	<b>O</b>
7	<b>H</b>	<b>X</b>	<b>n</b>	<i>D</i>	<i>T</i>	<i>j</i>	<i>z</i>	<b>P</b>
8	<b>I</b>	<b>Y</b>	<b>o</b>	<i>E</i>	<i>U</i>	<i>k</i>	<b>A</b>	<b>Q</b>
9	<b>J</b>	<b>Z</b>	<b>p</b>	<i>F</i>	<i>V</i>	<i>l</i>	<b>B</b>	<b>R</b>
A	<b>K</b>	a	<b>q</b>	<i>G</i>	<i>W</i>	<i>m</i>	<b>C</b>	<b>S</b>
B	<b>L</b>	b	<b>r</b>	<i>H</i>	<i>X</i>	<i>n</i>	<b>D</b>	<b>T</b>
C	<b>M</b>	c	<b>t</b>	<i>I</i>	<i>Y</i>	<i>o</i>	<b>E</b>	<b>U</b>
D	<b>N</b>	d	<b>u</b>	<i>J</i>	<i>Z</i>	<i>p</i>	<b>F</b>	<b>V</b>
E	<b>O</b>	e	<b>v</b>	<i>K</i>	<i>a</i>	<i>q</i>	<b>G</b>	<b>W</b>
F	<b>P</b>	f	<b>w</b>	<i>L</i>	<i>b</i>	<i>r</i>	<b>H</b>	<b>X</b>

**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		

Group 00

Plane 01

Row D4

**TABLE 9 – Row D4: MATHEMATICAL ALPHANUMERIC SYMBOLS**

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

G = 00

P = 01

**TABLE 9 – Row D4: MATHEMATICAL ALPHANUMERIC SYMBOLS**

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

Group 00

Plane 01

Row D4

**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	/
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	I	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	I	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 E	5F	MATHEMATICAL OPEN-FACE SMALL N
08	MATHEMATICAL FRAKTUR CAPITAL D	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		

Group 00

Plane 01

Row D5

TABLE 11 – Row D5: MATHEMATICAL ALPHANUMERIC SYMBOLS

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

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		

Group 00

Plane 01

Row D5

TABLE 12 – Row D6: MATHEMATICAL ALPHANUMERIC SYMBOLS

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

Group 00

Plane 01

Row D6

TABLE 13 – Row D6: MATHEMATICAL ALPHANUMERIC SYMBOLS

	D68	D69	D6A	D6B	D6C	D6D	D6E	D6F
0	Q	g	w	I	Ω	o	ϙ	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		Ξ	δ	τ	Δ	T
6	W	m		O	ε	υ	E	γ
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	Τ	κ	δ	K	∇
C	c	s	E	Υ	λ	ε	Λ	α
D	d	t	Z	Φ	μ	ϑ	M	β
E	e	u	H	X	v	κ	N	γ
F	f	v	Θ	Ψ	ξ	ϕ	Ξ	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		

Group 00

Plane 01

Row D6

TABLE 14 – Row D7: MATHEMATICAL ALPHANUMERIC SYMBOLS

	D70	D71	D72	D73	D74	D75	D76	D77
0	$\varepsilon$	$v$	$E$	$\Upsilon$	$\lambda$	$\epsilon$	$\Lambda$	$\alpha$
1	$\zeta$	$\varphi$	$Z$	$\Phi$	$\mu$	$\vartheta$	$M$	$\beta$
2	$\eta$	$\chi$	$H$	$X$	$\nu$	$\varkappa$	$N$	$\gamma$
3	$\theta$	$\psi$	$\Theta$	$\Psi$	$\xi$	$\phi$	$\equiv$	$\delta$
4	$\iota$	$\omega$	$I$	$\Omega$	$o$	$\rho$	$O$	$\varepsilon$
5	$\kappa$	$\partial$	$K$	$\nabla$	$\pi$	$\varpi$	$\Pi$	$\zeta$
6	$\lambda$	$\epsilon$	$\Lambda$	$\alpha$	$\rho$	$A$	$P$	$\eta$
7	$\mu$	$\vartheta$	$M$	$\beta$	$\varsigma$	$B$		$\theta$
8	$\nu$	$\varkappa$	$N$	$\gamma$	$\sigma$	$\Gamma$	$\Sigma$	$i$
9	$\xi$	$\phi$	$\Xi$	$\delta$	$\tau$	$\Delta$	$T$	$\kappa$
A	$o$	$\rho$	$O$	$\varepsilon$	$v$	$E$	$\Upsilon$	$\lambda$
B	$\pi$	$\varpi$	$\Pi$	$\zeta$	$\varphi$	$Z$	$\Phi$	$\mu$
C	$\rho$	$A$	$P$	$\eta$	$\chi$	$H$	$X$	$v$
D	$\zeta$	$B$		$\theta$	$\psi$	$\Theta$	$\Psi$	$\xi$
E	$\sigma$	$\Gamma$	$\Sigma$	$\iota$	$\omega$	$I$	$\Omega$	$o$
F	$\tau$	$\Delta$	$T$	$\kappa$	$\partial$	$K$	$\nabla$	$\pi$

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 OMEGON	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 OMEGON
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 OMEGON
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 OMEGON		
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 OMEGON		
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		

Group 00

Plane 01

Row D7

TABLE 15 – Row D7: MATHEMATICAL ALPHANUMERIC SYMBOLS

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

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
  - Ci Yuan 《辭源》
  - Ci Hai 《辭海》
  - Hanyu Da Cidian 《漢語大詞典》
  - Chinese Encyclopedia 《中國大百科全書》
  - Founder Press System 方正排版系统
  - Siku Quanshu 《四庫全書》
- Hanzi TCA
  - TCA-CNS 11643-1992 4<sup>th</sup> plane
  - TCA-CNS 11643-1992 5<sup>th</sup> plane
  - TCA-CNS 11643-1992 6<sup>th</sup> plane
  - TCA-CNS 11643-1992 7<sup>th</sup> plane
  - TCA-CNS 11643-1992 15<sup>th</sup> plane
- Hanzi from Hong Kong

- Government Chinese Character Set (GCCS\_1 and GCCS\_2)
- Industry Collection, Part A, B and C.
- Kanji from JPNxxx
- Hanja
  - PKS 5700-3:1998
- ChuNom
  - TCVN 5773:1993
  - VHN 01:1998
  - 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:

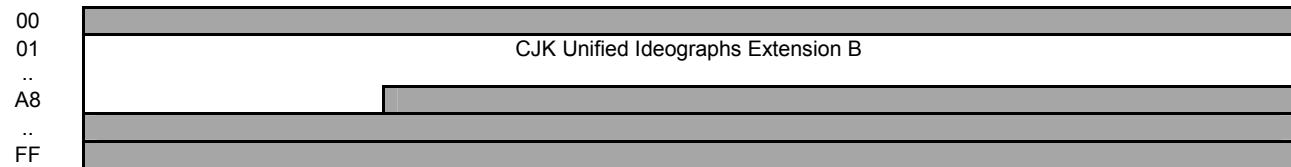
- 01-10 octet: Ignorable
- 11-14 octet: Plane 2 code value (hhhh)
- 15-16 octet: Ignorable
- 17-24 octet: Kangxi Dictionary (dddd.ddd)
- 25-33 octet: Han Yu Da Zian (dddddd.ddd)
- 34-40 octet: Unique Hanzi (G\_4K), (G\_BK), (G\_CY), (G\_HC), (G\_HZ) and (G\_KX), each followed by 3 space characters.
- 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	-----

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.*

### 10.3 Special Purpose Plane

An overview of the Special Purpose Plane is shown in figure 3. Detailed code tables and lists of character names for the planes are shown on the following pages.

Code positions E0000-E0FFF are reserved for alternate format characters.

**NOTE:** Unassigned code points in this range may be ignored in normal processing and display.

The characters specified in the TAGS block do not have printable graphic character, and are thus represented in the character code table by dotted boxes. A possible use of these characters is described in annex D.

*Editor's Note: The Tags repertoire was accepted by resolution WG2 M34.14.*

Row-octet

00	Tags	
..		
FF		

[Grey Box] = reserved for future standardization

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

**Figure 3 – Overview of the General Purpose Plane**

**TABLE 16 – Row 00: TAGS**

000	001	002	003	004	005	006	007
0		[SP] [→]	[0] [!]	[@] [1]	[P] [A]	[`] [Q]	[p] [a]
1	[↑] [↔]						[q] [r]
2		["] [2]		[B] [3]	[R] [C]	[b] [c]	
3		[#] [\$]		[S] [D]	[S] [T]	[c] [d]	[s] [t]
4							
5		[%] [Ξ]	[5] [6]	[E] [F]	[U] [V]	[e] [f]	[u] [v]
6							
7		[□] [(]	[7] [8]	[G] [H]	[W] [X]	[g] [h]	[w] [x]
8							
9		[)] [*]	[9] [;]	[I] [J]	[Y] [Z]	[i] [j]	[y] [z]
A							
B		[+] [□]	[;] [=]	[K] [M]	[{] [}]	[k] [m]	[{] [}]
C		[,] [<]	[<] [=]	[L] [N]	[>] [^]	[l] [n]	[>] [~]
D		[>] [?]	[=] [?]	[M] [O]	[<] [^]	[m] [o]	[{] [~]
E							
F		[/] [?]					

G = 00

P = 14

**TABLE 8 – Row 00: TAGS**

hex	Name	hex	Name
00	(This position shall not be used)	58	TAG LATIN CAPITAL LETTER X
01	LANGUAGE TAG	59	TAG LATIN CAPITAL LETTER Y
02	(This position shall not be used)	5A	TAG LATIN CAPITAL LETTER Z
03	(This position shall not be used)	5B	TAG LEFT SQUARE BRACKET
04	(This position shall not be used)	5C	TAG REVERSE SOLIDUS
05	(This position shall not be used)	5D	TAG RIGHT SQUARE BRACKET
06	(This position shall not be used)	5E	TAG CIRCUMFLEX ACCENT
07	(This position shall not be used)	5F	TAG LOW LINE
08	(This position shall not be used)	60	TAG GRAVE ACCENT
09	(This position shall not be used)	61	TAG LATIN SMALL LETTER A
0A	(This position shall not be used)	62	TAG LATIN SMALL LETTER B
0B	(This position shall not be used)	63	TAG LATIN SMALL LETTER C
0C	(This position shall not be used)	64	TAG LATIN SMALL LETTER D
0D	(This position shall not be used)	65	TAG LATIN SMALL LETTER E
0E	(This position shall not be used)	66	TAG LATIN SMALL LETTER F
0F	(This position shall not be used)	67	TAG LATIN SMALL LETTER G
10	(This position shall not be used)	68	TAG LATIN SMALL LETTER H
11	(This position shall not be used)	69	TAG LATIN SMALL LETTER I
12	(This position shall not be used)	6A	TAG LATIN SMALL LETTER J
13	(This position shall not be used)	6B	TAG LATIN SMALL LETTER K
14	(This position shall not be used)	6C	TAG LATIN SMALL LETTER L
15	(This position shall not be used)	6D	TAG LATIN SMALL LETTER M
16	(This position shall not be used)	6E	TAG LATIN SMALL LETTER N
17	(This position shall not be used)	6F	TAG LATIN SMALL LETTER O
18	(This position shall not be used)	70	TAG LATIN SMALL LETTER P
19	(This position shall not be used)	71	TAG LATIN SMALL LETTER Q
1A	(This position shall not be used)	72	TAG LATIN SMALL LETTER R
1B	(This position shall not be used)	73	TAG LATIN SMALL LETTER S
1C	(This position shall not be used)	74	TAG LATIN SMALL LETTER T
1D	(This position shall not be used)	75	TAG LATIN SMALL LETTER U
1E	(This position shall not be used)	76	TAG LATIN SMALL LETTER V
1F	(This position shall not be used)	77	TAG LATIN SMALL LETTER W
20	TAG SPACE	78	TAG LATIN SMALL LETTER X
21	TAG EXCLAMATION MARK	79	TAG LATIN SMALL LETTER Y
22	TAG QUOTATION MARK	7A	TAG LATIN SMALL LETTER Z
23	TAG NUMBER SIGN	7B	TAG LEFT CURLY BRACKET
24	TAG DOLLAR SIGN	7C	TAG VERTICAL LINE
25	TAG PERCENT SIGN	7D	TAG RIGHT CURLY BRACKET
26	TAG AMPERSAND	7E	TAG TILDE
27	TAG APOSTROPHE	7F	CANCEL TAG
28	TAG LEFT PARENTHESIS		
29	TAG RIGHT PARENTHESIS		
2A	TAG ASTERISK		
2B	TAG PLUS SIGN		
2C	TAG COMMA		
2D	TAG HYPHEN-MINUS		
2E	TAG FULL STOP		
2F	TAG SOLIDUS		
30	TAG DIGIT ZERO		
31	TAG DIGIT ONE		
32	TAG DIGIT TWO		
33	TAG DIGIT THREE		
34	TAG DIGIT FOUR		
35	TAG DIGIT FIVE		
36	TAG DIGIT SIX		
37	TAG DIGIT SEVEN		
38	TAG DIGIT EIGHT		
39	TAG DIGIT NINE		
3A	TAG COLON		
3B	TAG SEMICOLON		
3C	TAG LESS-THAN SIGN		
3D	TAG EQUALS SIGN		
3E	TAG GREATER-THAN SIGN		
3F	TAG QUESTION MARK		
40	TAG COMMERCIAL AT		
41	TAG LATIN CAPITAL LETTER A		
42	TAG LATIN CAPITAL LETTER B		
43	TAG LATIN CAPITAL LETTER C		
44	TAG LATIN CAPITAL LETTER D		
45	TAG LATIN CAPITAL LETTER E		
46	TAG LATIN CAPITAL LETTER F		
47	TAG LATIN CAPITAL LETTER G		
48	TAG LATIN CAPITAL LETTER H		
49	TAG LATIN CAPITAL LETTER I		
4A	TAG LATIN CAPITAL LETTER J		
4B	TAG LATIN CAPITAL LETTER K		
4C	TAG LATIN CAPITAL LETTER L		
4D	TAG LATIN CAPITAL LETTER M		
4E	TAG LATIN CAPITAL LETTER N		
4F	TAG LATIN CAPITAL LETTER O		
50	TAG LATIN CAPITAL LETTER P		
51	TAG LATIN CAPITAL LETTER Q		
52	TAG LATIN CAPITAL LETTER R		
53	TAG LATIN CAPITAL LETTER S		
54	TAG LATIN CAPITAL LETTER T		
55	TAG LATIN CAPITAL LETTER U		
56	TAG LATIN CAPITAL LETTER V		
57	TAG LATIN CAPITAL LETTER W		

Group 00

Plane 14

Row 00

## Annexes

### Annex A: Collections of graphic characters for subsets (normative)

#### A.1 Collections of coded graphic characters

The collections listed below are ordered by collection number.

<u>Collection number and name</u>	<u>Position</u>
1001 ETRUSCAN	10300-1032F
1002 GOTHIC	10330-1034F
1003 DESERET	10400-1044F
1004 BYZANTINE MUSICAL SYMBOLS	1D000-1D0FF
1005 WESTERN MUSICAL SYMBOLS	1D100-1D1FF
1006 CJK UNIFIED IDEOGRAPHS EXTENSION B	
OFA0E-OFA0F	
OFA11	
OFA13-OFA14	
OFA21	
OFA24	
OFA27-OFA29	
20100-2A836	
2001 TAGS	E0000-E007F

NOTE – The CJK EXT-B collection includes characters from the CJK COMPATIBILITY IDEOGRAPHS within the BMP that are part of the unification procedure.

The following collection specifies characters used for alternate formats.

2002 ALTERNATE FORMAT CHARACTERS EXTENDED	
	E0000-E0FFF

The following specify other collections:

1000 SMP	10000-1FFFF
1900 SMP COMBINING CHARACTERS	see annex B
1100 SIP	20000-2FFFF
2000 SPP	E0000-EFFFF

#### A.2 Blocks in the SMP

The following blocks are specified in the Secondary Multilingual Plane for scripts and symbols. They are ordered by code position:

<u>Block name</u>	<u>from</u> <u>to</u>
-------------------	-----------------------

ETRUSCAN	10300-1032F
GOTHIC	10330-1034F
DESERET	10400-1044F
BYZANTINE MUSICAL SYMBOLS	1D000-1D0FF
WESTERN MUSICAL SYMBOLS	1D100-1D1FF

#### A.3 Block in the SIP

The following block is specified in the Supplementary Plane for CJK Ideographs:

<u>Block name</u>	<u>from</u> <u>to</u>
CJK EXT-B	20100-2A836

#### A.4 Blocks in the SPP

The following blocks are specified in the Special Purpose Plane:

<u>Block name</u>	<u>from</u> <u>to</u>
TAGS	E0000-E007F

## Annex B: List of combining characters (normative)

The usage of combining characters enumerated in this annex is specified in clauses 14 and 24 of ISO/IEC 10646-1.

### **B.1 List of all combining characters**

The following characters are combining characters:

- D110 WESTERN MUSICAL SYMBOL ACCENT
- D111 WESTERN MUSICAL SYMBOL STACCATO
- D112 WESTERN MUSICAL SYMBOL TENUTO
- D113 WESTERN MUSICAL SYMBOL STACCATISSIMO
- D114 WESTERN MUSICAL SYMBOL MARCATO
- D115 WESTERN MUSICAL SYMBOL MARCATO-STACCATO
- D116 WESTERN MUSICAL SYMBOL ACCENT-STACCATO
- D117 WESTERN MUSICAL SYMBOL LOURE
- D159 WESTERN MUSICAL SYMBOL HARMONIC
- D196 WESTERN MUSICAL SYMBOL STEM
- D197 WESTERN MUSICAL SYMBOL SPRECHGESANG STEM
- D198 WESTERN MUSICAL SYMBOL TREMOLO STEM ONE
- D199 WESTERN MUSICAL SYMBOL TREMOLO STEM TWO
- D19A WESTERN MUSICAL SYMBOL TREMOLO STEM THREE
- D1BE WESTERN MUSICAL SYMBOL ORNAMENT STROKE SIX
- D1D3 WESTERN MUSICAL SYMBOL STEM PLUS FLAG ONE
- D1D4 WESTERN MUSICAL SYMBOL STEM PLUS FLAG TWO
- D1D5 WESTERN MUSICAL SYMBOL STEM PLUS FLAG THREE
- D1D6 WESTERN MUSICAL SYMBOL STEM PLUS FLAG FOUR
- D1D7 WESTERN MUSICAL SYMBOL STEM PLUS FLAG FIVE
- D1D8 WESTERN MUSICAL SYMBOL SIX-STRING FRETBOARD
- D1D9 WESTERN MUSICAL SYMBOL FOUR-STRING FRETBOARD
- D1DA WESTERN MUSICAL SYMBOL COMMON TIME
- D1DB WESTERN MUSICAL SYMBOL CUT TIME

### **B.2 Characters not allowed in implementation level 2**

This part does not contain any combining characters not allowed in implementation level 2.

## Annex C: Alphabetically sorted list of character names per plane (informative)

This annex lists all the character names from this part of ISO/IEC 10646 except CJK Ideographs. They are shown with their code positions in the two-octet form within their respective plane. Several sources and contributions were used for constructing this coded character set. The sources are arranged by repertoire.

### C.1 Second Multilingual Plane for scripts and symbols

*Editor's Note: Is this really needed?*

040C	DESERET CAPITAL LETTER AY	0443	DESERET SMALL LETTER ETH
0412	DESERET CAPITAL LETTER BEE	0440	DESERET SMALL LETTER GAY
0415	DESERET CAPITAL LETTER CHEE	0438	DESERET SMALL LETTER H
0414	DESERET CAPITAL LETTER DEE	043E	DESERET SMALL LETTER JEE
0419	DESERET CAPITAL LETTER EF	043F	DESERET SMALL LETTER KAY
0422	DESERET CAPITAL LETTER EL	042A	DESERET SMALL LETTER LONG A
0423	DESERET CAPITAL LETTER EM	042B	DESERET SMALL LETTER LONG AH
0424	DESERET CAPITAL LETTER EN	0429	DESERET SMALL LETTER LONG E
0425	DESERET CAPITAL LETTER ENG	042C	DESERET SMALL LETTER LONG O
0421	DESERET CAPITAL LETTER ER	042D	DESERET SMALL LETTER LONG OO
041D	DESERET CAPITAL LETTER ES	0435	DESERET SMALL LETTER OW
041F	DESERET CAPITAL LETTER ESH	0439	DESERET SMALL LETTER PEE
041B	DESERET CAPITAL LETTER ETH	0430	DESERET SMALL LETTER SHORT A
0418	DESERET CAPITAL LETTER GAY	0431	DESERET SMALL LETTER SHORT AH
0410	DESERET CAPITAL LETTER H	042F	DESERET SMALL LETTER SHORT E
0416	DESERET CAPITAL LETTER JEE	042E	DESERET SMALL LETTER SHORT I
0417	DESERET CAPITAL LETTER KAY	0432	DESERET SMALL LETTER SHORT O
0402	DESERET CAPITAL LETTER LONG A	0433	DESERET SMALL LETTER SHORT OO
0403	DESERET CAPITAL LETTER LONG AH	043B	DESERET SMALL LETTER TEE
0401	DESERET CAPITAL LETTER LONG E	0444	DESERET SMALL LETTER THEE
0400	DESERET CAPITAL LETTER LONG I	0442	DESERET SMALL LETTER VEE
0404	DESERET CAPITAL LETTER LONG O	0436	DESERET SMALL LETTER WU
0405	DESERET CAPITAL LETTER LONG OO	0437	DESERET SMALL LETTER YEE
040D	DESERET CAPITAL LETTER OW	0446	DESERET SMALL LETTER ZEE
0411	DESERET CAPITAL LETTER PEE	0448	DESERET SMALL LETTER ZHEE
0408	DESERET CAPITAL LETTER SHORT A	0300	ETRUSCAN LETTER A
0409	DESERET CAPITAL LETTER SHORT AH	0301	ETRUSCAN LETTER BE
0407	DESERET CAPITAL LETTER SHORT E	031C	ETRUSCAN LETTER CHE (Umbrian)
0406	DESERET CAPITAL LETTER SHORT I	0303	ETRUSCAN LETTER DE
040A	DESERET CAPITAL LETTER SHORT O	0304	ETRUSCAN LETTER E
040B	DESERET CAPITAL LETTER SHORT OO	031A	ETRUSCAN LETTER EF
0413	DESERET CAPITAL LETTER TEE	0317	ETRUSCAN LETTER EKS (Faliscan)
041C	DESERET CAPITAL LETTER THEE	030B	ETRUSCAN LETTER EL
041A	DESERET CAPITAL LETTER VEE	030C	ETRUSCAN LETTER EM
040E	DESERET CAPITAL LETTER WU	030D	ETRUSCAN LETTER EN
040F	DESERET CAPITAL LETTER YEE	0313	ETRUSCAN LETTER ER
041E	DESERET CAPITAL LETTER ZEE	031B	ETRUSCAN LETTER ERS (Umbrian)
0420	DESERET CAPITAL LETTER ZHEE	0314	ETRUSCAN LETTER ES
0428	DESERET SMALL LETTER LONG I	030E	ETRUSCAN LETTER ESH
0434	DESERET SMALL LETTER AY	0307	ETRUSCAN LETTER HE
043A	DESERET SMALL LETTER BEE	0309	ETRUSCAN LETTER I
043D	DESERET SMALL LETTER CHEE	031D	ETRUSCAN LETTER II (Oscan)
043C	DESERET SMALL LETTER DEE	030A	ETRUSCAN LETTER KA
0441	DESERET SMALL LETTER EF	0302	ETRUSCAN LETTER KE
044A	DESERET SMALL LETTER EL	0319	ETRUSCAN LETTER KHE
044B	DESERET SMALL LETTER EM	0312	ETRUSCAN LETTER KU
044C	DESERET SMALL LETTER EN	030F	ETRUSCAN LETTER O (Faliscan)
044D	DESERET SMALL LETTER ENG	0310	ETRUSCAN LETTER PE
0449	DESERET SMALL LETTER ER	0318	ETRUSCAN LETTER PHE
0445	DESERET SMALL LETTER ES	0311	ETRUSCAN LETTER SHE
0447	DESERET SMALL LETTER ESH	0315	ETRUSCAN LETTER TE
		0308	ETRUSCAN LETTER THE
		0316	ETRUSCAN LETTER U
		031E	ETRUSCAN LETTER UU (Oscan)
		0305	ETRUSCAN LETTER VE
		0306	ETRUSCAN LETTER ZE
		0326	ETRUSCAN NUMERAL ALTERNATE ONE HUNDRED
		0324	ETRUSCAN NUMERAL FIFTY
		0322	ETRUSCAN NUMERAL FIVE
		0321	ETRUSCAN NUMERAL ONE
		0325	ETRUSCAN NUMERAL ONE HUNDRED
		0328	ETRUSCAN NUMERAL ONE HUNDRED OR ONE THOUSAND
		0327	ETRUSCAN NUMERAL ONE THOUSAND
		0329	ETRUSCAN NUMERAL ONE THOUSAND OR TEN THOUSAND

0323	ETRUSCAN NUMERAL TEN	D0D1	GREEK BYZANTINE MUSIC DIESIS MONOGRAMMOS
0320	ETRUSCAN WORD SEPARATOR	DOCF	TESSERA DODEKATA SIGN (I)
0330	GOTHIC LETTER AHSA	D0D3	GREEK BYZANTINE MUSIC DIESIS TETARTIMORION SIGN (I)
0334	GOTHIC LETTER AIHVUS	DOCE	GREEK BYZANTINE MUSIC DIESIS TRIGRAMMOS OKTO DODEKATA SIGN (I)
0331	GOTHIC LETTER BAIRKAN	DOE7	GREEK BYZANTINE MUSIC DIESIS TRITIMORION SIGN (I)
0333	GOTHIC LETTER DAGS	D094	GREEK BYZANTINE MUSIC DIFTOGGOS OU SIGN
0339	GOTHIC LETTER EIS	D093	GREEK BYZANTINE MUSIC DIGORGON PARESTIGMENON ARISTERA ANO SIGN (u)
033A	GOTHIC LETTER EIS WITH DIAERESIS	D095	GREEK BYZANTINE MUSIC DIGORGON PARESTIGMENON DEXIA SIGN (u)
0347	GOTHIC LETTER FAIHU	D092	GREEK BYZANTINE MUSIC DIGORGON SIGN (u)
0332	GOTHIC LETTER GIBA	DOE6	GREEK BYZANTINE MUSIC DIGRAMMA GG SIGN
0337	GOTHIC LETTER HAGL	D080	GREEK BYZANTINE MUSIC DIPLI ARCHAIC SIGN (I)
0349	GOTHIC LETTER HWAIR	D086	GREEK BYZANTINE MUSIC DIPLI SIGN (I)
0348	GOTHIC LETTER IGGWS	D02F	GREEK BYZANTINE MUSIC DYO SIGN (m)
0336	GOTHIC LETTER IUJA	D064	GREEK BYZANTINE MUSIC EKSTREPTON SIGN (I)
033F	GOTHIC LETTER JER	D055	GREEK BYZANTINE MUSIC ELAFRON SIGN (m)
033B	GOTHIC LETTER KUSMA	D0B6	GREEK BYZANTINE MUSIC ENARXIS KAI FTHORA VOU (u)
033C	GOTHIC LETTER LAGUS	D07B	GREEK BYZANTINE MUSIC ENOFONON SIGN (I)
033D	GOTHIC LETTER MANNA	D068	GREEK BYZANTINE MUSIC EPEGERMA SIGN (I)
033E	GOTHIC LETTER NAUTHS	D074	GREEK BYZANTINE MUSIC ETERON ARGOSYNTHETO N SIGN (I)
034B	GOTHIC LETTER NINE HUNDRED	D060	GREEK BYZANTINE MUSIC ETERON PARAKALESPA SIGN (I)
0342	GOTHIC LETTER NINETY	DOOE	GREEK BYZANTINE MUSIC EXO EKFONITIKON SIGN (u)
034A	GOTHIC LETTER OTHAL	DOB0	GREEK BYZANTINE MUSIC FANEROSIS DIFONIAS SIGN (u)
0341	GOTHIC LETTER PAIRTHRA	DOAF	GREEK BYZANTINE MUSIC FANEROSIS MONOFONIAS SIGN (u)
0335	GOTHIC LETTER QAIRTHRA	DOAE	GREEK BYZANTINE MUSIC FANEROSIS TETRAFONIAS SIGN (u)
0343	GOTHIC LETTER RAIDA	DOC5	GREEK BYZANTINE MUSIC FHTORA SKLIRON CHROMA VASIS SIGN (u)
0344	GOTHIC LETTER SAUIL	D0B9	GREEK BYZANTINE MUSIC FHTORA ARCHAIC DEYTEROU ICHOU SIGN (u)
0345	GOTHIC LETTER TEIWS	D034	GREEK BYZANTINE MUSIC FHTORA ARCHAIC SIGN (u)
0338	GOTHIC LETTER THIUTH	D0BD	GREEK BYZANTINE MUSIC FHTORA DIATONIKI DI SIGN (u)
0340	GOTHIC LETTER URUS	DOBF	GREEK BYZANTINE MUSIC FHTORA DIATONIKI KE SIGN (u)
0346	GOTHIC LETTER WINJA	D0BB	GREEK BYZANTINE MUSIC FHTORA DIATONIKI NANA SIGN (u)
D09C	GREEK BYZANTINE MUSIC AGOGI ARGİ SIGN (u)	DOC2	GREEK BYZANTINE MUSIC FHTORA DIATONIKI NI ANO SIGN (u)
D09B	GREEK BYZANTINE MUSIC AGOGI ARGOTERİ SIGN (u)	DOC1	GREEK BYZANTINE MUSIC FHTORA DIATONIKI NI KATO SIGN (u)
D09F	GREEK BYZANTINE MUSIC AGOGI GORGİ SIGN (u)	DOBA	GREEK BYZANTINE MUSIC FHTORA DIATONIKI PA SIGN (u)
D0A0	GREEK BYZANTINE MUSIC AGOGI GORGOTERİ SIGN (u)	DOCO	GREEK BYZANTINE MUSIC FHTORA DIATONIKI ZO SIGN (u)
D09E	GREEK BYZANTINE MUSIC AGOGI MESİ SIGN (u)	DOCC	GREEK BYZANTINE MUSIC FHTORA ENARMONIOS ANTIFONIA SIGN (u)
D09D	GREEK BYZANTINE MUSIC AGOGI METRİA SIGN (u)	DOCB	GREEK BYZANTINE MUSIC FHTORA I YFESIS TETARTIMORION SIGN (u)
D09A	GREEK BYZANTINE MUSIC AGOGI POLİ ARGİ SIGN (u)	DOC3	GREEK BYZANTINE MUSIC FHTORA MALAKON CHROMA DIFONIAS SIGN (u)
D0A1	GREEK BYZANTINE MUSIC AGOGI POLİ GORGİ SIGN (u)	DOC4	GREEK BYZANTINE MUSIC FHTORA MALAKON CHROMA MONOFONIAS SIGN (u)
D028	GREEK BYZANTINE MUSIC ANATRICHISMA SIGN (u)	DOBC	GREEK BYZANTINE MUSIC FHTORA NAOS ICHOS SIGN (I)
D062	GREEK BYZANTINE MUSIC ANTIKENOKYLSIMA SIGN (I)	DOC7	GREEK BYZANTINE MUSIC FHTORA NENANO SIGN (u)
D05C	GREEK BYZANTINE MUSIC ANTIKENOMA SIGN (I)	DOC6	GREEK BYZANTINE MUSIC FHTORA SKLIRON CHROMA SYNAFI SIGN (u)
D00D	GREEK BYZANTINE MUSIC APESO EKFONITIKON SIGN (I)	DOBE	GREEK BYZANTINE MUSIC FHTORA SKLIRON DIATONON DI SIGN (u)
D033	GREEK BYZANTINE MUSIC APESO EXO LATE SIGN (m)	D0D8	GREEK BYZANTINE MUSIC GENIKI DIESIS SIGN (u)
D085	GREEK BYZANTINE MUSIC APLİ SIGN (I)	D0D9	GREEK BYZANTINE MUSIC GENIKI YFESIS SIGN (u)
D022	GREEK BYZANTINE MUSIC APODERMA ARCHAIC SIGN (I)	D016	GREEK BYZANTINE MUSIC GORGON ARCHAIC SIGN (u)
D084	GREEK BYZANTINE MUSIC APODERMA LATE SIGN (I)	D08F	GREEK BYZANTINE MUSIC GORGON LATE ANO SIGN (u)
D052	GREEK BYZANTINE MUSIC APOSTROFOI SYNDESMOS LATE SIGN (m)	D0F5	GREEK BYZANTINE MUSIC GORGON LATE KATO SIGN (I)
D0AD	GREEK BYZANTINE MUSIC APOSTROFOI TELOUS ICHIMATOS SIGN (m)	D090	GREEK BYZANTINE MUSIC GORGON PARESTIGMENON ARISTERA SIGN (u)
D012	GREEK BYZANTINE MUSIC APOSTROFOS DIPLI SIGN (m)	D091	GREEK BYZANTINE MUSIC GORGON PARESTIGMENON DEXIA SIGN (u)
D051	GREEK BYZANTINE MUSIC APOSTROFOS LATE SIGN (m)	D072	GREEK BYZANTINE MUSIC GORGOSYNTHETON SIGN (I)
D011	GREEK BYZANTINE MUSIC APOSTROFOS SIGN (m)	D0B4	GREEK BYZANTINE MUSIC GORTHMIKON N APLOUN SIGN (m)
D023	GREEK BYZANTINE MUSIC APOTHEMA SIGN (I)	D0B5	GREEK BYZANTINE MUSIC GORTHMIKON N DIPLOUN
D097	GREEK BYZANTINE MUSIC ARGON SIGN (u)		
D073	GREEK BYZANTINE MUSIC ARGOSYNTHETON SIGN (I)		
DOEC	GREEK BYZANTINE MUSIC ARKTİKO DI SIGN		
DOEB	GREEK BYZANTINE MUSIC ARKTİKO GA SIGN		
DOED	GREEK BYZANTINE MUSIC ARKTİKO KE SIGN		
DOEF	GREEK BYZANTINE MUSIC ARKTİKO NI SIGN		
DOE9	GREEK BYZANTINE MUSIC ARKTİKO PA SIGN		
DOEA	GREEK BYZANTINE MUSIC ARKTİKO VOU SIGN		
DOEE	GREEK BYZANTINE MUSIC ARKTİKO ZO SIGN		
D056	GREEK BYZANTINE MUSIC CHAMILİ SIGN (m)		
D018	GREEK BYZANTINE MUSIC CHAMILON SIGN (u)		
D03B	GREEK BYZANTINE MUSIC CHOREVMA ARCHAIC SIGN (u)		
D067	GREEK BYZANTINE MUSIC CHOREVMA LATE SIGN (I)		
DOC9	GREEK BYZANTINE MUSIC CHROA KLİTON SIGN (u)		
DOCA	GREEK BYZANTINE MUSIC CHROA SPATHİ SIGN (u)		
DOC8	GREEK BYZANTINE MUSIC CHROA ZYGOS SIGN (u)		
D001	GREEK BYZANTINE MUSIC DASEİA SIGN (u)		
D099	GREEK BYZANTINE MUSIC DIARGON SIGN (u)		
D0DB	GREEK BYZANTINE MUSIC DIASTOLİ APLİ MEGALİ SIGN (u)		
D0DA	GREEK BYZANTINE MUSIC DIASTOLİ APLİ MIKRI SIGN (u)		
D0DC	GREEK BYZANTINE MUSIC DIASTOLİ DIPLI SIGN (u)		
D0DD	GREEK BYZANTINE MUSIC DIASTOLİ THESEOS SIGN (u)		
D0D0	GREEK BYZANTINE MUSIC DIESIS APLİ DYÖ DODEKATA SIGN (I)		
D0D2	GREEK BYZANTINE MUSIC DIESIS DIGRAMMOS EX DODEKATA SIGN (I)		

SIGN	D040	GREEK BYZANTINE MUSIC NANA SIGN (m)
D045 GREEK BYZANTINE MUSIC GRONTHISMATA SIGN (I)	D015	GREEK BYZANTINE MUSIC OLIGON ARCHAIC SIGN (u)
D03F GREEK BYZANTINE MUSIC ICHADIN SIGN (u)	D047	GREEK BYZANTINE MUSIC OLIGON LATE SIGN (m)
D098 GREEK BYZANTINE MUSIC IMIDIARGON SIGN (u)	D05B	GREEK BYZANTINE MUSIC OMALON SIGN (I)
D087 GREEK BYZANTINE MUSIC IMIFONON SIGN (I)	D004	GREEK BYZANTINE MUSIC OXEIA DIPLI SIGN (u)
D035 GREEK BYZANTINE MUSIC IMIFTHORA SIGN (u)	D003	GREEK BYZANTINE MUSIC OXEIA EKFONITIKON SIGN (u)
D088 GREEK BYZANTINE MUSIC IMIFTHONOR SIGN (I)	D048	GREEK BYZANTINE MUSIC OXEIA LATE SIGN (m)
D0AC GREEK BYZANTINE MUSIC ISAKIA TELOUS ICHIMATOS SIGN (m)	D020	GREEK BYZANTINE MUSIC OXEIAI ARCHAIC SIGN (u)
D01A GREEK BYZANTINE MUSIC ISON ARCHAIC SIGN (u)	D02C	GREEK BYZANTINE MUSIC OYRANISMA ARCHAIC SIGN (u)
D046 GREEK BYZANTINE MUSIC ISON LATE SIGN (m)	D075	GREEK BYZANTINE MUSIC OYRANISMA LATE SIGN (I)
D037 GREEK BYZANTINE MUSIC KATAVA TROMIKON SIGN (u)	D03D	GREEK BYZANTINE MUSIC PARAKALESMA ARCHAIC SIGN (I)
D07A GREEK BYZANTINE MUSIC KATAVASMA SIGN (I)	D05F	GREEK BYZANTINE MUSIC PARAKALESMA LATE SIGN (I)
D007 GREEK BYZANTINE MUSIC KATHISTI SIGN (u)	D03E	GREEK BYZANTINE MUSIC PARAKLITIKI ARCHAIC SIGN (u)
D01B GREEK BYZANTINE MUSIC KENTIMA ARCHAIC SIGN (u)	D05E	GREEK BYZANTINE MUSIC PARAKLITIKI LATE SIGN (u)
D04F GREEK BYZANTINE MUSIC KENTIMA LATE ANO SIGN (u)	D009	GREEK BYZANTINE MUSIC PARAKLITIKI SIGN (u)
D0F3 GREEK BYZANTINE MUSIC KENTIMA LATE KATO SIGN (I)	D01E	GREEK BYZANTINE MUSIC PARICHON SIGN (u)
D0F1 GREEK BYZANTINE MUSIC KENTIMA LATE MESO SIGN (m)	D04D	GREEK BYZANTINE MUSIC PELASTON LATE SIGN (m)
D01C GREEK BYZANTINE MUSIC KENTIMATA ARCHAIC SIGN (u)	D038	GREEK BYZANTINE MUSIC PELASTON SIGN (u)
D04E GREEK BYZANTINE MUSIC KENTIMATA LATE ANO SIGN (u)	D002	GREEK BYZANTINE MUSIC PERISPOMENI SIGN (u)
D0F2 GREEK BYZANTINE MUSIC KENTIMATA LATE KATO SIGN (I)	D041	GREEK BYZANTINE MUSIC PETASMA SIGN (u)
D0F0 GREEK BYZANTINE MUSIC KENTIMATA LATE MESO SIGN (m)	D049	GREEK BYZANTINE MUSIC PETASTI SIGN (m)
D010 GREEK BYZANTINE MUSIC KENTIMATA SIGN (u)	D04B	GREEK BYZANTINE MUSIC PETASTOKOUFISMA SIGN (m)
D07F GREEK BYZANTINE MUSIC KLASMA ANO SIGN (u)	D026	GREEK BYZANTINE MUSIC PIASMA ARCHAIC SIGN (u)
D0F4 GREEK BYZANTINE MUSIC KLASMA KATO SIGN (I)	D059	GREEK BYZANTINE MUSIC PIASMA LATE SIGN (I)
D024 GREEK BYZANTINE MUSIC KLASMA SIGN (u)	D06C	GREEK BYZANTINE MUSIC PSIFISTOLYGISMA SIGN (I)
D042 GREEK BYZANTINE MUSIC KONTEVMA ALLO SIGN (u)	D05A	GREEK BYZANTINE MUSIC PSIFISTON LATE SIGN (I)
D03A GREEK BYZANTINE MUSIC KONTEVMA SIGN (u)	D039	GREEK BYZANTINE MUSIC PSIFISTON SIGN (u)
D089 GREEK BYZANTINE MUSIC KORONIS SIGN (u)	D06F	GREEK BYZANTINE MUSIC PSIFISTOPARAKALESMA SIGN (I)
D04A GREEK BYZANTINE MUSIC KOUFISMA SIGN (m)	D071	GREEK BYZANTINE MUSIC PSIFISTOSYNAGMA SIGN (I)
D082 GREEK BYZANTINE MUSIC KRATIMA ALLO SIGN (I)	D000	GREEK BYZANTINE MUSIC PSILI SIGN (u)
D081 GREEK BYZANTINE MUSIC KRATIMA ARCHAIC SIGN (I)	D017	GREEK BYZANTINE MUSIC PSILON SIGN (u)
D083 GREEK BYZANTINE MUSIC KRATIMA LATE SIGN (I)	D03C	GREEK BYZANTINE MUSIC RAPISMA SIGN (u)
D032 GREEK BYZANTINE MUSIC KRATIMATA SIGN (I)	D025	GREEK BYZANTINE MUSIC REVMA SIGN (u)
D04C GREEK BYZANTINE MUSIC KRATIMOKOUFISMA SIGN (m)	D01D	GREEK BYZANTINE MUSIC SAXIMATA SIGN (u)
D054 GREEK BYZANTINE MUSIC KRATIMOYPORROON SIGN (m)	D069	GREEK BYZANTINE MUSIC SEISMA LATE SIGN (I)
D00C GREEK BYZANTINE MUSIC KREMASTI SIGN (u)	D029	GREEK BYZANTINE MUSIC SEISMA SIGN (I)
D061 GREEK BYZANTINE MUSIC KYLISMA SIGN (I)	D0E3	GREEK BYZANTINE MUSIC SIMANSIS ARSEOS DISIMOU SIGN
D08B GREEK BYZANTINE MUSIC LEIMMA DYO CHRONON SIGN (m)	D0E2	GREEK BYZANTINE MUSIC SIMANSIS ARSEOS SIGN
D08A GREEK BYZANTINE MUSIC LEIMMA ENOS CHRONOU SIGN (m)	D0E5	GREEK BYZANTINE MUSIC SIMANSIS ARSEOS TETRASIMOU SIGN
D08E GREEK BYZANTINE MUSIC LEIMMA IMISEOS CHRONOU SIGN (m)	D0E4	GREEK BYZANTINE MUSIC SIMANSIS ARSEOS TRISIMOU SIGN
D08D GREEK BYZANTINE MUSIC LEIMMA TESSARON CHRONON SIGN (m)	D0DF	GREEK BYZANTINE MUSIC SIMANSIS THESEOS DISIMOU SIGN
D08C GREEK BYZANTINE MUSIC LEIMMA TRION CHRONON SIGN (m)	D0DE	GREEK BYZANTINE MUSIC SIMANSIS THESEOS SIGN
D02E GREEK BYZANTINE MUSIC LEMOI SIGN (I)	D0E1	GREEK BYZANTINE MUSIC SIMANSIS THESEOS SIGN
D05D GREEK BYZANTINE MUSIC LYGISMA SIGN (I)	D0E0	TETRASIMOU SIGN
D0A5 GREEK BYZANTINE MUSIC MARTYRIA ALLI DEYTEROS ICHOS SIGN (m)	D01F	GREEK BYZANTINE MUSIC SIMANSIS THESEOS TRISIMOU SIGN
D0A3 GREEK BYZANTINE MUSIC MARTYRIA ALLI PROTOS ICHOS SIGN (m)	D07E	GREEK BYZANTINE MUSIC STAVROS APODEXIA SIGN (u)
D0A4 GREEK BYZANTINE MUSIC MARTYRIA DEYTEROS ICHOS SIGN (m)	D0E8	GREEK BYZANTINE MUSIC STAVROS SIGN (u)
D0AA GREEK BYZANTINE MUSIC MARTYRIA LEGETOS ICHOS SIGN (m)	D044	GREEK BYZANTINE MUSIC STIGMA SIGN
D0AB GREEK BYZANTINE MUSIC MARTYRIA PLAGIOS ICHOS SIGN (m)	D02A	GREEK BYZANTINE MUSIC STRAGGISMATA SIGN (I)
D0B3 GREEK BYZANTINE MUSIC MARTYRIA PLAGIOS TETARTOS ICHOS SIGN (m)	D065	GREEK BYZANTINE MUSIC SYNAGMA ARCHAIC SIGN (I)
D0A2 GREEK BYZANTINE MUSIC MARTYRIA PROTOS ICHOS SIGN (m)	D02B	GREEK BYZANTINE MUSIC SYNAGMA LATE SIGN (I)
D0B2 GREEK BYZANTINE MUSIC MARTYRIA PROTOVARYS ICHOS SIGN (m)	D013	GREEK BYZANTINE MUSIC SYNAGMA METASTAVROU SIGN (I)
D0A8 GREEK BYZANTINE MUSIC MARTYRIA TETARTOS ICHOS SIGN (m)	D066	GREEK BYZANTINE MUSIC SYNEVMA SIGN (I)
D0A9 GREEK BYZANTINE MUSIC MARTYRIA TETARTOS LEGETOS (ICHOS) SIGN (m)	D008	GREEK BYZANTINE MUSIC SYRMA SIGN (I)
D0A7 GREEK BYZANTINE MUSIC MARTYRIA TRIFONIAS SIGN (m)	D00F	GREEK BYZANTINE MUSIC SYMATIKI SIGN (u)
D0A6 GREEK BYZANTINE MUSIC MARTYRIA TRITOS ICHOS SIGN (m)	D031	GREEK BYZANTINE MUSIC TELEIA SIGN (m)
D0B1 GREEK BYZANTINE MUSIC MARTYRIA VARYS ICHOS SIGN (m)	D088	GREEK BYZANTINE MUSIC TESSERA SIGN (m)
D057 GREEK BYZANTINE MUSIC MIKRON ISON SIGN (m)	D078	GREEK BYZANTINE MUSIC TETRAPLI SIGN (I)
	D02D	GREEK BYZANTINE MUSIC THEMA APLOUN SIGN (I)
	D076	GREEK BYZANTINE MUSIC THEMATISMOS ESO SIGN (I)
	D077	GREEK BYZANTINE MUSIC THEMATISMOS EXO SIGN (u)
	D079	GREEK BYZANTINE MUSIC THES KAI APOTHES SIGN (I)
	D014	GREEK BYZANTINE MUSIC THITA SIGN (u)
	D027	GREEK BYZANTINE MUSIC TINAGMA SIGN (I)
	D030	GREEK BYZANTINE MUSIC TRIA SIGN (m)
	D096	GREEK BYZANTINE MUSIC TRIGORGON SIGN (u)
	D087	GREEK BYZANTINE MUSIC TRIPLO SIGN (I)
	D06D	GREEK BYZANTINE MUSIC TROMIKOLYGISMA SIGN (I)
	D043	GREEK BYZANTINE MUSIC TROMIKON ALLO SIGN (u)
	D036	GREEK BYZANTINE MUSIC TROMIKON ARCHAIC SIGN (I)
	D063	GREEK BYZANTINE MUSIC TROMIKON LATE SIGN (I)
	D06E	GREEK BYZANTINE MUSIC TROMIKOPARAKALESMA SIGN

(I)	
D06B	GREEK BYZANTINE MUSIC TROMIKOPSIFISTON SIGN (I)
D070	GREEK BYZANTINE MUSIC TROMIKOSYNAGMA SIGN (I)
D006	GREEK BYZANTINE MUSIC VAREIA DIPLI SIGN (u)
D005	GREEK BYZANTINE MUSIC VAREIA EKFONITIKON SIGN (u)
D058	GREEK BYZANTINE MUSIC VAREIA LATE SIGN (m)
D021	GREEK BYZANTINE MUSIC VAREIAI ARCHAIC SIGN (m)
D019	GREEK BYZANTINE MUSIC VATHY SIGN (u)
D06A	GREEK BYZANTINE MUSIC XIRON KLASMA SIGN (I)
D07D	GREEK BYZANTINE MUSIC YFEN ANO SIGN (u)
D07C	GREEK BYZANTINE MUSIC YFEN KATO SIGN (I)
D0D4	GREEK BYZANTINE MUSIC YFESIS APLI DYO DODEKATA SIGN
D0D6	GREEK BYZANTINE MUSIC YFESIS DIGRAMMOS EX DODEKATA (u)
D0D5	GREEK BYZANTINE MUSIC YFESIS MONOGRAMMOS TESSERA DODEKATA SIGN (u)
D0D7	GREEK BYZANTINE MUSIC YFESIS TRIGRAMMOS OKTO DODEKATA SIGN (u)
DOCD	GREEK BYZANTINE MUSIC YFESIS TRITIMORION SIGN (u)
D00B	GREEK BYZANTINE MUSIC YPOKRISIS DIPLI SIGN (u)
D00A	GREEK BYZANTINE MUSIC YPOKRISIS SIGN (u)
D053	GREEK BYZANTINE MUSIC YPORROI SIGN (m)
D050	GREEK BYZANTINE MUSIC YPSILI SIGN (u)
D400	MATHEMATICAL BOLD CAPITAL A
D6A8	MATHEMATICAL BOLD CAPITAL ALPHA
D401	MATHEMATICAL BOLD CAPITAL B
D6A9	MATHEMATICAL BOLD CAPITAL BETA
D402	MATHEMATICAL BOLD CAPITAL C
D6BE	MATHEMATICAL BOLD CAPITAL CHI
D403	MATHEMATICAL BOLD CAPITAL D
D6AB	MATHEMATICAL BOLD CAPITAL DELTA
D404	MATHEMATICAL BOLD CAPITAL E
D6AC	MATHEMATICAL BOLD CAPITAL EPSILON
D6AE	MATHEMATICAL BOLD CAPITAL ETA
D405	MATHEMATICAL BOLD CAPITAL F
D406	MATHEMATICAL BOLD CAPITAL G
D6AA	MATHEMATICAL BOLD CAPITAL GAMMA
D407	MATHEMATICAL BOLD CAPITAL H
D408	MATHEMATICAL BOLD CAPITAL I
D6B0	MATHEMATICAL BOLD CAPITAL IOTA
D409	MATHEMATICAL BOLD CAPITAL J
D40A	MATHEMATICAL BOLD CAPITAL K
D6B1	MATHEMATICAL BOLD CAPITAL KAPPA
D40B	MATHEMATICAL BOLD CAPITAL L
D6B2	MATHEMATICAL BOLD CAPITAL LAMDA
D40C	MATHEMATICAL BOLD CAPITAL M
D6B3	MATHEMATICAL BOLD CAPITAL MU
D40D	MATHEMATICAL BOLD CAPITAL N
D6B4	MATHEMATICAL BOLD CAPITAL NU
D40E	MATHEMATICAL BOLD CAPITAL O
D6C0	MATHEMATICAL BOLD CAPITAL OMEGA
D6B6	MATHEMATICAL BOLD CAPITAL OMICRON
D40F	MATHEMATICAL BOLD CAPITAL P
D6BD	MATHEMATICAL BOLD CAPITAL PHI
D6B7	MATHEMATICAL BOLD CAPITAL PI
D6BF	MATHEMATICAL BOLD CAPITAL PSI
D410	MATHEMATICAL BOLD CAPITAL Q
D411	MATHEMATICAL BOLD CAPITAL R
D6B8	MATHEMATICAL BOLD CAPITAL RHO
D412	MATHEMATICAL BOLD CAPITAL S
D6BA	MATHEMATICAL BOLD CAPITAL SIGMA
D413	MATHEMATICAL BOLD CAPITAL T
D6BB	MATHEMATICAL BOLD CAPITAL TAU
D6AF	MATHEMATICAL BOLD CAPITAL THETA
D414	MATHEMATICAL BOLD CAPITAL U
D6BC	MATHEMATICAL BOLD CAPITAL UPSILON
D415	MATHEMATICAL BOLD CAPITAL V
D416	MATHEMATICAL BOLD CAPITAL W
D417	MATHEMATICAL BOLD CAPITAL X
D6B5	MATHEMATICAL BOLD CAPITAL XI
D418	MATHEMATICAL BOLD CAPITAL Y
D419	MATHEMATICAL BOLD CAPITAL Z
D6AD	MATHEMATICAL BOLD CAPITAL ZETA
D7CE	MATHEMATICAL BOLD DIGIT 0
D7CF	MATHEMATICAL BOLD DIGIT 1
D7D0	MATHEMATICAL BOLD DIGIT 2
D7D1	MATHEMATICAL BOLD DIGIT 3
D7D2	MATHEMATICAL BOLD DIGIT 4
D7D3	MATHEMATICAL BOLD DIGIT 5
D7D4	MATHEMATICAL BOLD DIGIT 6
D7D5	MATHEMATICAL BOLD DIGIT 7
D7D6	MATHEMATICAL BOLD DIGIT 8
D7D7	MATHEMATICAL BOLD DIGIT 9
D6DC	MATHEMATICAL BOLD EPSILON SYMBOL
D468	MATHEMATICAL BOLD ITALIC CAPITAL A
D71C	MATHEMATICAL BOLD ITALIC CAPITAL ALPHA
D469	MATHEMATICAL BOLD ITALIC CAPITAL B
D71D	MATHEMATICAL BOLD ITALIC CAPITAL BETA
D46A	MATHEMATICAL BOLD ITALIC CAPITAL C
D732	MATHEMATICAL BOLD ITALIC CAPITAL CHI
D46B	MATHEMATICAL BOLD ITALIC CAPITAL D
D71F	MATHEMATICAL BOLD ITALIC CAPITAL DELTA
D46C	MATHEMATICAL BOLD ITALIC CAPITAL E
D720	MATHEMATICAL BOLD ITALIC CAPITAL EPSILON
D722	MATHEMATICAL BOLD ITALIC CAPITAL ETA
D46D	MATHEMATICAL BOLD ITALIC CAPITAL F
D46E	MATHEMATICAL BOLD ITALIC CAPITAL G
D71E	MATHEMATICAL BOLD ITALIC CAPITAL GAMMA
D46F	MATHEMATICAL BOLD ITALIC CAPITAL H
D470	MATHEMATICAL BOLD ITALIC CAPITAL I
D724	MATHEMATICAL BOLD ITALIC CAPITAL IOTA
D471	MATHEMATICAL BOLD ITALIC CAPITAL J
D472	MATHEMATICAL BOLD ITALIC CAPITAL K
D725	MATHEMATICAL BOLD ITALIC CAPITAL KAPPA
D473	MATHEMATICAL BOLD ITALIC CAPITAL L
D726	MATHEMATICAL BOLD ITALIC CAPITAL LAMDA
D474	MATHEMATICAL BOLD ITALIC CAPITAL M
D727	MATHEMATICAL BOLD ITALIC CAPITAL MU
D475	MATHEMATICAL BOLD ITALIC CAPITAL N
D728	MATHEMATICAL BOLD ITALIC CAPITAL NU
D476	MATHEMATICAL BOLD ITALIC CAPITAL O
D734	MATHEMATICAL BOLD ITALIC CAPITAL OMEGA
D72A	MATHEMATICAL BOLD ITALIC CAPITAL OMICRON
D477	MATHEMATICAL BOLD ITALIC CAPITAL P
D731	MATHEMATICAL BOLD ITALIC CAPITAL PHI
D72B	MATHEMATICAL BOLD ITALIC CAPITAL PI
D733	MATHEMATICAL BOLD ITALIC CAPITAL PSI
D478	MATHEMATICAL BOLD ITALIC CAPITAL Q
D479	MATHEMATICAL BOLD ITALIC CAPITAL R
D72C	MATHEMATICAL BOLD ITALIC CAPITAL RHO
D47A	MATHEMATICAL BOLD ITALIC CAPITAL S
D72E	MATHEMATICAL BOLD ITALIC CAPITAL SIGMA
D47B	MATHEMATICAL BOLD ITALIC CAPITAL T
D72F	MATHEMATICAL BOLD ITALIC CAPITAL TAU
D723	MATHEMATICAL BOLD ITALIC CAPITAL THETA
D47C	MATHEMATICAL BOLD ITALIC CAPITAL U
D730	MATHEMATICAL BOLD ITALIC CAPITAL UPSILON
D47D	MATHEMATICAL BOLD ITALIC CAPITAL V
D47E	MATHEMATICAL BOLD ITALIC CAPITAL W
D47F	MATHEMATICAL BOLD ITALIC CAPITAL X
D729	MATHEMATICAL BOLD ITALIC CAPITAL XI
D480	MATHEMATICAL BOLD ITALIC CAPITAL Y
D481	MATHEMATICAL BOLD ITALIC CAPITAL Z
D721	MATHEMATICAL BOLD ITALIC CAPITAL ZETA
D750	MATHEMATICAL BOLD ITALIC EPSILON SYMBOL
D752	MATHEMATICAL BOLD ITALIC KAPPA SYMBOL
D735	MATHEMATICAL BOLD ITALIC NABLA
D74F	MATHEMATICAL BOLD ITALIC PARTIAL DIFFERENTIAL
D753	MATHEMATICAL BOLD ITALIC PHI SYMBOL
D755	MATHEMATICAL BOLD ITALIC PI SYMBOL
D754	MATHEMATICAL BOLD ITALIC RHO SYMBOL
D482	MATHEMATICAL BOLD ITALIC SMALL A
D736	MATHEMATICAL BOLD ITALIC SMALL ALPHA
D483	MATHEMATICAL BOLD ITALIC SMALL B
D737	MATHEMATICAL BOLD ITALIC SMALL BETA
D484	MATHEMATICAL BOLD ITALIC SMALL C
D74C	MATHEMATICAL BOLD ITALIC SMALL CHI
D485	MATHEMATICAL BOLD ITALIC SMALL D
D739	MATHEMATICAL BOLD ITALIC SMALL DELTA
D486	MATHEMATICAL BOLD ITALIC SMALL E
D73A	MATHEMATICAL BOLD ITALIC SMALL EPSILON
D73C	MATHEMATICAL BOLD ITALIC SMALL ETA
D487	MATHEMATICAL BOLD ITALIC SMALL F
D747	MATHEMATICAL BOLD ITALIC SMALL FINAL SIGMA
D488	MATHEMATICAL BOLD ITALIC SMALL G
D738	MATHEMATICAL BOLD ITALIC SMALL GAMMA
D489	MATHEMATICAL BOLD ITALIC SMALL H
D48A	MATHEMATICAL BOLD ITALIC SMALL I
D73E	MATHEMATICAL BOLD ITALIC SMALL IOTA
D48B	MATHEMATICAL BOLD ITALIC SMALL J
D48C	MATHEMATICAL BOLD ITALIC SMALL K
D73F	MATHEMATICAL BOLD ITALIC SMALL KAPPA
D48D	MATHEMATICAL BOLD ITALIC SMALL L
D740	MATHEMATICAL BOLD ITALIC SMALL LAMDA
D48E	MATHEMATICAL BOLD ITALIC SMALL M

D741	MATHEMATICAL BOLD ITALIC SMALL MU	D502	MATHEMATICAL BOLD SCRIPT SMALL Y
D48F	MATHEMATICAL BOLD ITALIC SMALL N	D503	MATHEMATICAL BOLD SCRIPT SMALL Z
D742	MATHEMATICAL BOLD ITALIC SMALL NU	D41A	MATHEMATICAL BOLD SMALL A
D490	MATHEMATICAL BOLD ITALIC SMALL O	D6C2	MATHEMATICAL BOLD SMALL ALPHA
D74E	MATHEMATICAL BOLD ITALIC SMALL OMEGA	D41B	MATHEMATICAL BOLD SMALL B
D744	MATHEMATICAL BOLD ITALIC SMALL OMICRON	D6C3	MATHEMATICAL BOLD SMALL BETA
D491	MATHEMATICAL BOLD ITALIC SMALL P	D41C	MATHEMATICAL BOLD SMALL C
D74B	MATHEMATICAL BOLD ITALIC SMALL PHI	D6D8	MATHEMATICAL BOLD SMALL CHI
D745	MATHEMATICAL BOLD ITALIC SMALL PI	D41D	MATHEMATICAL BOLD SMALL D
D74D	MATHEMATICAL BOLD ITALIC SMALL PSI	D6C5	MATHEMATICAL BOLD SMALL DELTA
D492	MATHEMATICAL BOLD ITALIC SMALL Q	D41E	MATHEMATICAL BOLD SMALL E
D493	MATHEMATICAL BOLD ITALIC SMALL R	D6C6	MATHEMATICAL BOLD SMALL EPSILON
D746	MATHEMATICAL BOLD ITALIC SMALL RHO	D6C8	MATHEMATICAL BOLD SMALL ETA
D494	MATHEMATICAL BOLD ITALIC SMALL S	D41F	MATHEMATICAL BOLD SMALL F
D748	MATHEMATICAL BOLD ITALIC SMALL SIGMA	D6D3	MATHEMATICAL BOLD SMALL FINAL SIGMA
D495	MATHEMATICAL BOLD ITALIC SMALL T	D420	MATHEMATICAL BOLD SMALL G
D749	MATHEMATICAL BOLD ITALIC SMALL TAU	D6C4	MATHEMATICAL BOLD SMALL GAMMA
D73D	MATHEMATICAL BOLD ITALIC SMALL THETA	D421	MATHEMATICAL BOLD SMALL H
D496	MATHEMATICAL BOLD ITALIC SMALL U	D422	MATHEMATICAL BOLD SMALL I
D74A	MATHEMATICAL BOLD ITALIC SMALL UPSILON	D6CA	MATHEMATICAL BOLD SMALL IOTA
D497	MATHEMATICAL BOLD ITALIC SMALL V	D423	MATHEMATICAL BOLD SMALL J
D498	MATHEMATICAL BOLD ITALIC SMALL W	D424	MATHEMATICAL BOLD SMALL K
D499	MATHEMATICAL BOLD ITALIC SMALL X	D6CB	MATHEMATICAL BOLD SMALL KAPPA
D743	MATHEMATICAL BOLD ITALIC SMALL XI	D425	MATHEMATICAL BOLD SMALL L
D49A	MATHEMATICAL BOLD ITALIC SMALL Y	D6CC	MATHEMATICAL BOLD SMALL LAMDA
D49B	MATHEMATICAL BOLD ITALIC SMALL Z	D426	MATHEMATICAL BOLD SMALL M
D73B	MATHEMATICAL BOLD ITALIC SMALL ZETA	D6CD	MATHEMATICAL BOLD SMALL MU
D751	MATHEMATICAL BOLD ITALIC THETA SYMBOL	D427	MATHEMATICAL BOLD SMALL N
D6DE	MATHEMATICAL BOLD KAPPA SYMBOL	D6CE	MATHEMATICAL BOLD SMALL NU
D6C1	MATHEMATICAL BOLD NABLA	D428	MATHEMATICAL BOLD SMALL O
D6DB	MATHEMATICAL BOLD PARTIAL DIFFERENTIAL	D6DA	MATHEMATICAL BOLD SMALL OMEGA
D6DF	MATHEMATICAL BOLD PHI SYMBOL	D6D0	MATHEMATICAL BOLD SMALL OMICRON
D6E1	MATHEMATICAL BOLD PI SYMBOL	D429	MATHEMATICAL BOLD SMALL P
D6E0	MATHEMATICAL BOLD RHO SYMBOL	D6D7	MATHEMATICAL BOLD SMALL PHI
D4D0	MATHEMATICAL BOLD SCRIPT CAPITAL A	D6D1	MATHEMATICAL BOLD SMALL PI
D4D1	MATHEMATICAL BOLD SCRIPT CAPITAL B	D6D9	MATHEMATICAL BOLD SMALL PSI
D4D2	MATHEMATICAL BOLD SCRIPT CAPITAL C	D42A	MATHEMATICAL BOLD SMALL Q
D4D3	MATHEMATICAL BOLD SCRIPT CAPITAL D	D42B	MATHEMATICAL BOLD SMALL R
D4D4	MATHEMATICAL BOLD SCRIPT CAPITAL E	D6D2	MATHEMATICAL BOLD SMALL RHO
D4D5	MATHEMATICAL BOLD SCRIPT CAPITAL F	D42C	MATHEMATICAL BOLD SMALL S
D4D6	MATHEMATICAL BOLD SCRIPT CAPITAL G	D6D4	MATHEMATICAL BOLD SMALL SIGMA
D4D7	MATHEMATICAL BOLD SCRIPT CAPITAL H	D42D	MATHEMATICAL BOLD SMALL T
D4D8	MATHEMATICAL BOLD SCRIPT CAPITAL I	D6D5	MATHEMATICAL BOLD SMALL TAU
D4D9	MATHEMATICAL BOLD SCRIPT CAPITAL J	D6C9	MATHEMATICAL BOLD SMALL THETA
D4DA	MATHEMATICAL BOLD SCRIPT CAPITAL K	D42E	MATHEMATICAL BOLD SMALL U
D4DB	MATHEMATICAL BOLD SCRIPT CAPITAL L	D6D6	MATHEMATICAL BOLD SMALL UPSILON
D4DC	MATHEMATICAL BOLD SCRIPT CAPITAL M	D42F	MATHEMATICAL BOLD SMALL V
D4DD	MATHEMATICAL BOLD SCRIPT CAPITAL N	D430	MATHEMATICAL BOLD SMALL W
D4DE	MATHEMATICAL BOLD SCRIPT CAPITAL O	D431	MATHEMATICAL BOLD SMALL X
D4DF	MATHEMATICAL BOLD SCRIPT CAPITAL P	D6CF	MATHEMATICAL BOLD SMALL XI
D4E0	MATHEMATICAL BOLD SCRIPT CAPITAL Q	D432	MATHEMATICAL BOLD SMALL Y
D4E1	MATHEMATICAL BOLD SCRIPT CAPITAL R	D433	MATHEMATICAL BOLD SMALL Z
D4E2	MATHEMATICAL BOLD SCRIPT CAPITAL S	D6C7	MATHEMATICAL BOLD SMALL ZETA
D4E3	MATHEMATICAL BOLD SCRIPT CAPITAL T	D6DD	MATHEMATICAL BOLD THETA SYMBOL
D4E4	MATHEMATICAL BOLD SCRIPT CAPITAL U	D504	MATHEMATICAL FRAKTUR CAPITAL A
D4E5	MATHEMATICAL BOLD SCRIPT CAPITAL V	D505	MATHEMATICAL FRAKTUR CAPITAL B
D4E6	MATHEMATICAL BOLD SCRIPT CAPITAL W	D507	MATHEMATICAL FRAKTUR CAPITAL D
D4E7	MATHEMATICAL BOLD SCRIPT CAPITAL X	D508	MATHEMATICAL FRAKTUR CAPITAL E
D4E8	MATHEMATICAL BOLD SCRIPT CAPITAL Y	D509	MATHEMATICAL FRAKTUR CAPITAL F
D4E9	MATHEMATICAL BOLD SCRIPT CAPITAL Z	D50A	MATHEMATICAL FRAKTUR CAPITAL G
D4EA	MATHEMATICAL BOLD SCRIPT SMALL A	D50D	MATHEMATICAL FRAKTUR CAPITAL J
D4EB	MATHEMATICAL BOLD SCRIPT SMALL B	D50E	MATHEMATICAL FRAKTUR CAPITAL K
D4EC	MATHEMATICAL BOLD SCRIPT SMALL C	D50F	MATHEMATICAL FRAKTUR CAPITAL L
D4ED	MATHEMATICAL BOLD SCRIPT SMALL D	D510	MATHEMATICAL FRAKTUR CAPITAL M
D4EE	MATHEMATICAL BOLD SCRIPT SMALL E	D511	MATHEMATICAL FRAKTUR CAPITAL N
D4EF	MATHEMATICAL BOLD SCRIPT SMALL F	D512	MATHEMATICAL FRAKTUR CAPITAL O
D4F0	MATHEMATICAL BOLD SCRIPT SMALL G	D513	MATHEMATICAL FRAKTUR CAPITAL P
D4F1	MATHEMATICAL BOLD SCRIPT SMALL H	D514	MATHEMATICAL FRAKTUR CAPITAL Q
D4F2	MATHEMATICAL BOLD SCRIPT SMALL I	D516	MATHEMATICAL FRAKTUR CAPITAL S
D4F3	MATHEMATICAL BOLD SCRIPT SMALL J	D517	MATHEMATICAL FRAKTUR CAPITAL T
D4F4	MATHEMATICAL BOLD SCRIPT SMALL K	D518	MATHEMATICAL FRAKTUR CAPITAL U
D4F5	MATHEMATICAL BOLD SCRIPT SMALL L	D519	MATHEMATICAL FRAKTUR CAPITAL V
D4F6	MATHEMATICAL BOLD SCRIPT SMALL M	D51A	MATHEMATICAL FRAKTUR CAPITAL W
D4F7	MATHEMATICAL BOLD SCRIPT SMALL N	D51B	MATHEMATICAL FRAKTUR CAPITAL X
D4F8	MATHEMATICAL BOLD SCRIPT SMALL O	D51C	MATHEMATICAL FRAKTUR CAPITAL Y
D4F9	MATHEMATICAL BOLD SCRIPT SMALL P	D51E	MATHEMATICAL FRAKTUR SMALL A
D4FA	MATHEMATICAL BOLD SCRIPT SMALL Q	D51F	MATHEMATICAL FRAKTUR SMALL B
D4FB	MATHEMATICAL BOLD SCRIPT SMALL R	D520	MATHEMATICAL FRAKTUR SMALL C
D4FC	MATHEMATICAL BOLD SCRIPT SMALL S	D521	MATHEMATICAL FRAKTUR SMALL D
D4FD	MATHEMATICAL BOLD SCRIPT SMALL T	D522	MATHEMATICAL FRAKTUR SMALL E
D4FE	MATHEMATICAL BOLD SCRIPT SMALL U	D523	MATHEMATICAL FRAKTUR SMALL F
D4FF	MATHEMATICAL BOLD SCRIPT SMALL V	D524	MATHEMATICAL FRAKTUR SMALL G
D500	MATHEMATICAL BOLD SCRIPT SMALL W	D525	MATHEMATICAL FRAKTUR SMALL H
D501	MATHEMATICAL BOLD SCRIPT SMALL X	D526	MATHEMATICAL FRAKTUR SMALL I

D527	MATHEMATICAL FRAKTUR SMALL J	D702	MATHEMATICAL ITALIC SMALL ETA
D528	MATHEMATICAL FRAKTUR SMALL K	D453	MATHEMATICAL ITALIC SMALL F
D529	MATHEMATICAL FRAKTUR SMALL L	D70D	MATHEMATICAL ITALIC SMALL FINAL SIGMA
D52A	MATHEMATICAL FRAKTUR SMALL M	D454	MATHEMATICAL ITALIC SMALL G
D52B	MATHEMATICAL FRAKTUR SMALL N	D6FE	MATHEMATICAL ITALIC SMALL GAMMA
D52C	MATHEMATICAL FRAKTUR SMALL O	D456	MATHEMATICAL ITALIC SMALL I
D52D	MATHEMATICAL FRAKTUR SMALL P	D704	MATHEMATICAL ITALIC SMALL IOTA
D52E	MATHEMATICAL FRAKTUR SMALL Q	D457	MATHEMATICAL ITALIC SMALL J
D52F	MATHEMATICAL FRAKTUR SMALL R	D458	MATHEMATICAL ITALIC SMALL K
D530	MATHEMATICAL FRAKTUR SMALL S	D705	MATHEMATICAL ITALIC SMALL KAPPA
D531	MATHEMATICAL FRAKTUR SMALL T	D459	MATHEMATICAL ITALIC SMALL L
D532	MATHEMATICAL FRAKTUR SMALL U	D706	MATHEMATICAL ITALIC SMALL LAMDA
D533	MATHEMATICAL FRAKTUR SMALL V	D45A	MATHEMATICAL ITALIC SMALL M
D534	MATHEMATICAL FRAKTUR SMALL W	D707	MATHEMATICAL ITALIC SMALL MU
D535	MATHEMATICAL FRAKTUR SMALL X	D45B	MATHEMATICAL ITALIC SMALL N
D536	MATHEMATICAL FRAKTUR SMALL Y	D708	MATHEMATICAL ITALIC SMALL NU
D537	MATHEMATICAL FRAKTUR SMALL Z	D45C	MATHEMATICAL ITALIC SMALL O
D434	MATHEMATICAL ITALIC CAPITAL A	D714	MATHEMATICAL ITALIC SMALL OMEGA
D6E2	MATHEMATICAL ITALIC CAPITAL ALPHA	D70A	MATHEMATICAL ITALIC SMALL OMICRON
D435	MATHEMATICAL ITALIC CAPITAL B	D45D	MATHEMATICAL ITALIC SMALL P
D6E3	MATHEMATICAL ITALIC CAPITAL BETA	D711	MATHEMATICAL ITALIC SMALL PHI
D436	MATHEMATICAL ITALIC CAPITAL C	D70B	MATHEMATICAL ITALIC SMALL PI
D6F8	MATHEMATICAL ITALIC CAPITAL CHI	D713	MATHEMATICAL ITALIC SMALL PSI
D437	MATHEMATICAL ITALIC CAPITAL D	D45E	MATHEMATICAL ITALIC SMALL Q
D6E5	MATHEMATICAL ITALIC CAPITAL DELTA	D45F	MATHEMATICAL ITALIC SMALL R
D438	MATHEMATICAL ITALIC CAPITAL E	D70C	MATHEMATICAL ITALIC SMALL RHO
D6E6	MATHEMATICAL ITALIC CAPITAL EPSILON	D460	MATHEMATICAL ITALIC SMALL S
D6E8	MATHEMATICAL ITALIC CAPITAL ETA	D70E	MATHEMATICAL ITALIC SMALL SIGMA
D439	MATHEMATICAL ITALIC CAPITAL F	D461	MATHEMATICAL ITALIC SMALL T
D43A	MATHEMATICAL ITALIC CAPITAL G	D70F	MATHEMATICAL ITALIC SMALL TAU
D6E4	MATHEMATICAL ITALIC CAPITAL GAMMA	D703	MATHEMATICAL ITALIC SMALL THETA
D43B	MATHEMATICAL ITALIC CAPITAL H	D462	MATHEMATICAL ITALIC SMALL U
D43C	MATHEMATICAL ITALIC CAPITAL I	D710	MATHEMATICAL ITALIC SMALL UPSILON
D6EA	MATHEMATICAL ITALIC CAPITAL IOTA	D463	MATHEMATICAL ITALIC SMALL V
D43D	MATHEMATICAL ITALIC CAPITAL J	D464	MATHEMATICAL ITALIC SMALL W
D43E	MATHEMATICAL ITALIC CAPITAL K	D465	MATHEMATICAL ITALIC SMALL X
D6EB	MATHEMATICAL ITALIC CAPITAL KAPPA	D709	MATHEMATICAL ITALIC SMALL XI
D43F	MATHEMATICAL ITALIC CAPITAL L	D466	MATHEMATICAL ITALIC SMALL Y
D6EC	MATHEMATICAL ITALIC CAPITAL LAMDA	D467	MATHEMATICAL ITALIC SMALL Z
D440	MATHEMATICAL ITALIC CAPITAL M	D701	MATHEMATICAL ITALIC SMALL ZETA
D6ED	MATHEMATICAL ITALIC CAPITAL MU	D717	MATHEMATICAL ITALIC THETA SYMBOL
D441	MATHEMATICAL ITALIC CAPITAL N	D670	MATHEMATICAL MONOSPACE CAPITAL A
D6EE	MATHEMATICAL ITALIC CAPITAL NU	D671	MATHEMATICAL MONOSPACE CAPITAL B
D442	MATHEMATICAL ITALIC CAPITAL O	D672	MATHEMATICAL MONOSPACE CAPITAL C
D6FA	MATHEMATICAL ITALIC CAPITAL OMEGA	D673	MATHEMATICAL MONOSPACE CAPITAL D
D6F0	MATHEMATICAL ITALIC CAPITAL OMICRON	D674	MATHEMATICAL MONOSPACE CAPITAL E
D443	MATHEMATICAL ITALIC CAPITAL P	D675	MATHEMATICAL MONOSPACE CAPITAL F
D6F7	MATHEMATICAL ITALIC CAPITAL PHI	D676	MATHEMATICAL MONOSPACE CAPITAL G
D6F1	MATHEMATICAL ITALIC CAPITAL PI	D677	MATHEMATICAL MONOSPACE CAPITAL H
D6F9	MATHEMATICAL ITALIC CAPITAL PSI	D678	MATHEMATICAL MONOSPACE CAPITAL I
D444	MATHEMATICAL ITALIC CAPITAL Q	D679	MATHEMATICAL MONOSPACE CAPITAL J
D445	MATHEMATICAL ITALIC CAPITAL R	D67A	MATHEMATICAL MONOSPACE CAPITAL K
D6F2	MATHEMATICAL ITALIC CAPITAL RHO	D67B	MATHEMATICAL MONOSPACE CAPITAL L
D446	MATHEMATICAL ITALIC CAPITAL S	D67C	MATHEMATICAL MONOSPACE CAPITAL M
D6F4	MATHEMATICAL ITALIC CAPITAL SIGMA	D67D	MATHEMATICAL MONOSPACE CAPITAL N
D447	MATHEMATICAL ITALIC CAPITAL T	D67E	MATHEMATICAL MONOSPACE CAPITAL O
D6F5	MATHEMATICAL ITALIC CAPITAL TAU	D67F	MATHEMATICAL MONOSPACE CAPITAL P
D6E9	MATHEMATICAL ITALIC CAPITAL THETA	D680	MATHEMATICAL MONOSPACE CAPITAL Q
D448	MATHEMATICAL ITALIC CAPITAL U	D681	MATHEMATICAL MONOSPACE CAPITAL R
D6F6	MATHEMATICAL ITALIC CAPITAL UPSILON	D682	MATHEMATICAL MONOSPACE CAPITAL S
D449	MATHEMATICAL ITALIC CAPITAL V	D683	MATHEMATICAL MONOSPACE CAPITAL T
D44A	MATHEMATICAL ITALIC CAPITAL W	D684	MATHEMATICAL MONOSPACE CAPITAL U
D44B	MATHEMATICAL ITALIC CAPITAL X	D685	MATHEMATICAL MONOSPACE CAPITAL V
D6EF	MATHEMATICAL ITALIC CAPITAL XI	D686	MATHEMATICAL MONOSPACE CAPITAL W
D44C	MATHEMATICAL ITALIC CAPITAL Y	D687	MATHEMATICAL MONOSPACE CAPITAL X
D44D	MATHEMATICAL ITALIC CAPITAL Z	D688	MATHEMATICAL MONOSPACE CAPITAL Y
D6E7	MATHEMATICAL ITALIC CAPITAL ZETA	D689	MATHEMATICAL MONOSPACE CAPITAL Z
D716	MATHEMATICAL ITALIC EPSILON SYMBOL	D7F6	MATHEMATICAL MONOSPACE DIGIT 0
D718	MATHEMATICAL ITALIC KAPPA SYMBOL	D7F7	MATHEMATICAL MONOSPACE DIGIT 1
D6FB	MATHEMATICAL ITALIC NABLA	D7F8	MATHEMATICAL MONOSPACE DIGIT 2
D715	MATHEMATICAL ITALIC PARTIAL DIFFERENTIAL	D7F9	MATHEMATICAL MONOSPACE DIGIT 3
D719	MATHEMATICAL ITALIC PHI SYMBOL	D7FA	MATHEMATICAL MONOSPACE DIGIT 4
D71B	MATHEMATICAL ITALIC PI SYMBOL	D7FB	MATHEMATICAL MONOSPACE DIGIT 5
D71A	MATHEMATICAL ITALIC RHO SYMBOL	D7FC	MATHEMATICAL MONOSPACE DIGIT 6
D44E	MATHEMATICAL ITALIC SMALL A	D7FD	MATHEMATICAL MONOSPACE DIGIT 7
D6FC	MATHEMATICAL ITALIC SMALL ALPHA	D7FE	MATHEMATICAL MONOSPACE DIGIT 8
D44F	MATHEMATICAL ITALIC SMALL B	D7FF	MATHEMATICAL MONOSPACE DIGIT 9
D6FD	MATHEMATICAL ITALIC SMALL BETA	D68A	MATHEMATICAL MONOSPACE SMALL A
D450	MATHEMATICAL ITALIC SMALL C	D68B	MATHEMATICAL MONOSPACE SMALL B
D712	MATHEMATICAL ITALIC SMALL CHI	D68C	MATHEMATICAL MONOSPACE SMALL C
D451	MATHEMATICAL ITALIC SMALL D	D68D	MATHEMATICAL MONOSPACE SMALL D
D6FF	MATHEMATICAL ITALIC SMALL DELTA	D68E	MATHEMATICAL MONOSPACE SMALL E
D452	MATHEMATICAL ITALIC SMALL E	D68F	MATHEMATICAL MONOSPACE SMALL F
D700	MATHEMATICAL ITALIC SMALL EPSILON	D690	MATHEMATICAL MONOSPACE SMALL G

D691	MATHEMATICAL MONOSPACE SMALL H	D590	MATHEMATICAL OPEN-FACE ITALIC SMALL K
D692	MATHEMATICAL MONOSPACE SMALL I	D591	MATHEMATICAL OPEN-FACE ITALIC SMALL L
D693	MATHEMATICAL MONOSPACE SMALL J	D592	MATHEMATICAL OPEN-FACE ITALIC SMALL M
D694	MATHEMATICAL MONOSPACE SMALL K	D593	MATHEMATICAL OPEN-FACE ITALIC SMALL N
D695	MATHEMATICAL MONOSPACE SMALL L	D594	MATHEMATICAL OPEN-FACE ITALIC SMALL O
D696	MATHEMATICAL MONOSPACE SMALL M	D595	MATHEMATICAL OPEN-FACE ITALIC SMALL P
D697	MATHEMATICAL MONOSPACE SMALL N	D596	MATHEMATICAL OPEN-FACE ITALIC SMALL Q
D698	MATHEMATICAL MONOSPACE SMALL O	D597	MATHEMATICAL OPEN-FACE ITALIC SMALL R
D699	MATHEMATICAL MONOSPACE SMALL P	D598	MATHEMATICAL OPEN-FACE ITALIC SMALL S
D69A	MATHEMATICAL MONOSPACE SMALL Q	D599	MATHEMATICAL OPEN-FACE ITALIC SMALL T
D69B	MATHEMATICAL MONOSPACE SMALL R	D59A	MATHEMATICAL OPEN-FACE ITALIC SMALL U
D69C	MATHEMATICAL MONOSPACE SMALL S	D59B	MATHEMATICAL OPEN-FACE ITALIC SMALL V
D69D	MATHEMATICAL MONOSPACE SMALL T	D59C	MATHEMATICAL OPEN-FACE ITALIC SMALL W
D69E	MATHEMATICAL MONOSPACE SMALL U	D59D	MATHEMATICAL OPEN-FACE ITALIC SMALL X
D69F	MATHEMATICAL MONOSPACE SMALL V	D59E	MATHEMATICAL OPEN-FACE ITALIC SMALL Y
D6A0	MATHEMATICAL MONOSPACE SMALL W	D59F	MATHEMATICAL OPEN-FACE ITALIC SMALL Z
D6A1	MATHEMATICAL MONOSPACE SMALL X	D552	MATHEMATICAL OPEN-FACE SMALL A
D6A2	MATHEMATICAL MONOSPACE SMALL Y	D553	MATHEMATICAL OPEN-FACE SMALL B
D6A3	MATHEMATICAL MONOSPACE SMALL Z	D554	MATHEMATICAL OPEN-FACE SMALL C
D538	MATHEMATICAL OPEN-FACE CAPITAL A	D555	MATHEMATICAL OPEN-FACE SMALL D
D539	MATHEMATICAL OPEN-FACE CAPITAL B	D556	MATHEMATICAL OPEN-FACE SMALL E
D53B	MATHEMATICAL OPEN-FACE CAPITAL D	D557	MATHEMATICAL OPEN-FACE SMALL F
D53C	MATHEMATICAL OPEN-FACE CAPITAL E	D558	MATHEMATICAL OPEN-FACE SMALL G
D53D	MATHEMATICAL OPEN-FACE CAPITAL F	D559	MATHEMATICAL OPEN-FACE SMALL H
D53E	MATHEMATICAL OPEN-FACE CAPITAL G	D55A	MATHEMATICAL OPEN-FACE SMALL I
D540	MATHEMATICAL OPEN-FACE CAPITAL I	D55B	MATHEMATICAL OPEN-FACE SMALL J
D541	MATHEMATICAL OPEN-FACE CAPITAL J	D55C	MATHEMATICAL OPEN-FACE SMALL K
D542	MATHEMATICAL OPEN-FACE CAPITAL K	D55D	MATHEMATICAL OPEN-FACE SMALL L
D543	MATHEMATICAL OPEN-FACE CAPITAL L	D55E	MATHEMATICAL OPEN-FACE SMALL M
D544	MATHEMATICAL OPEN-FACE CAPITAL M	D55F	MATHEMATICAL OPEN-FACE SMALL N
D546	MATHEMATICAL OPEN-FACE CAPITAL O	D560	MATHEMATICAL OPEN-FACE SMALL O
D54A	MATHEMATICAL OPEN-FACE CAPITAL S	D561	MATHEMATICAL OPEN-FACE SMALL P
D54B	MATHEMATICAL OPEN-FACE CAPITAL T	D562	MATHEMATICAL OPEN-FACE SMALL Q
D54C	MATHEMATICAL OPEN-FACE CAPITAL U	D563	MATHEMATICAL OPEN-FACE SMALL R
D54D	MATHEMATICAL OPEN-FACE CAPITAL V	D564	MATHEMATICAL OPEN-FACE SMALL S
D54E	MATHEMATICAL OPEN-FACE CAPITAL W	D565	MATHEMATICAL OPEN-FACE SMALL T
D54F	MATHEMATICAL OPEN-FACE CAPITAL X	D566	MATHEMATICAL OPEN-FACE SMALL U
D550	MATHEMATICAL OPEN-FACE CAPITAL Y	D567	MATHEMATICAL OPEN-FACE SMALL V
D7D8	MATHEMATICAL OPEN-FACE DIGIT 0	D568	MATHEMATICAL OPEN-FACE SMALL W
D7D9	MATHEMATICAL OPEN-FACE DIGIT 1	D569	MATHEMATICAL OPEN-FACE SMALL X
D7DA	MATHEMATICAL OPEN-FACE DIGIT 2	D56A	MATHEMATICAL OPEN-FACE SMALL Y
D7DB	MATHEMATICAL OPEN-FACE DIGIT 3	D56B	MATHEMATICAL OPEN-FACE SMALL Z
D7DC	MATHEMATICAL OPEN-FACE DIGIT 4	D5D4	MATHEMATICAL SANS BOLD CAPITAL A
D7DD	MATHEMATICAL OPEN-FACE DIGIT 5	D756	MATHEMATICAL SANS BOLD CAPITAL ALPHA
D7DE	MATHEMATICAL OPEN-FACE DIGIT 6	D5D5	MATHEMATICAL SANS BOLD CAPITAL B
D7DF	MATHEMATICAL OPEN-FACE DIGIT 7	D757	MATHEMATICAL SANS BOLD CAPITAL BETA
D7E0	MATHEMATICAL OPEN-FACE DIGIT 8	D5D6	MATHEMATICAL SANS BOLD CAPITAL C
D7E1	MATHEMATICAL OPEN-FACE DIGIT 9	D76C	MATHEMATICAL SANS BOLD CAPITAL CHI
D56C	MATHEMATICAL OPEN-FACE ITALIC CAPITAL A	D5D7	MATHEMATICAL SANS BOLD CAPITAL D
D56D	MATHEMATICAL OPEN-FACE ITALIC CAPITAL B	D759	MATHEMATICAL SANS BOLD CAPITAL DELTA
D56E	MATHEMATICAL OPEN-FACE ITALIC CAPITAL C	D5D8	MATHEMATICAL SANS BOLD CAPITAL E
D56F	MATHEMATICAL OPEN-FACE ITALIC CAPITAL D	D75A	MATHEMATICAL SANS BOLD CAPITAL EPSILON
D570	MATHEMATICAL OPEN-FACE ITALIC CAPITAL E	D75C	MATHEMATICAL SANS BOLD CAPITAL ETA
D571	MATHEMATICAL OPEN-FACE ITALIC CAPITAL F	D5D9	MATHEMATICAL SANS BOLD CAPITAL F
D572	MATHEMATICAL OPEN-FACE ITALIC CAPITAL G	D5DA	MATHEMATICAL SANS BOLD CAPITAL G
D573	MATHEMATICAL OPEN-FACE ITALIC CAPITAL H	D758	MATHEMATICAL SANS BOLD CAPITAL GAMMA
D574	MATHEMATICAL OPEN-FACE ITALIC CAPITAL I	D5DB	MATHEMATICAL SANS BOLD CAPITAL H
D575	MATHEMATICAL OPEN-FACE ITALIC CAPITAL J	D5DC	MATHEMATICAL SANS BOLD CAPITAL I
D576	MATHEMATICAL OPEN-FACE ITALIC CAPITAL K	D75E	MATHEMATICAL SANS BOLD CAPITAL IOTA
D577	MATHEMATICAL OPEN-FACE ITALIC CAPITAL L	D5DD	MATHEMATICAL SANS BOLD CAPITAL J
D578	MATHEMATICAL OPEN-FACE ITALIC CAPITAL M	D5DE	MATHEMATICAL SANS BOLD CAPITAL K
D579	MATHEMATICAL OPEN-FACE ITALIC CAPITAL N	D75F	MATHEMATICAL SANS BOLD CAPITAL KAPPA
D57A	MATHEMATICAL OPEN-FACE ITALIC CAPITAL O	D5DF	MATHEMATICAL SANS BOLD CAPITAL L
D57B	MATHEMATICAL OPEN-FACE ITALIC CAPITAL P	D760	MATHEMATICAL SANS BOLD CAPITAL LAMDA
D57C	MATHEMATICAL OPEN-FACE ITALIC CAPITAL Q	D5E0	MATHEMATICAL SANS BOLD CAPITAL M
D57D	MATHEMATICAL OPEN-FACE ITALIC CAPITAL R	D761	MATHEMATICAL SANS BOLD CAPITAL MU
D57E	MATHEMATICAL OPEN-FACE ITALIC CAPITAL S	D5E1	MATHEMATICAL SANS BOLD CAPITAL N
D57F	MATHEMATICAL OPEN-FACE ITALIC CAPITAL T	D762	MATHEMATICAL SANS BOLD CAPITAL NU
D580	MATHEMATICAL OPEN-FACE ITALIC CAPITAL U	D5E2	MATHEMATICAL SANS BOLD CAPITAL O
D581	MATHEMATICAL OPEN-FACE ITALIC CAPITAL V	D76E	MATHEMATICAL SANS BOLD CAPITAL OMEGA
D582	MATHEMATICAL OPEN-FACE ITALIC CAPITAL W	D764	MATHEMATICAL SANS BOLD CAPITAL OMICRON
D583	MATHEMATICAL OPEN-FACE ITALIC CAPITAL X	D5E3	MATHEMATICAL SANS BOLD CAPITAL P
D584	MATHEMATICAL OPEN-FACE ITALIC CAPITAL Y	D76B	MATHEMATICAL SANS BOLD CAPITAL PHI
D585	MATHEMATICAL OPEN-FACE ITALIC CAPITAL Z	D765	MATHEMATICAL SANS BOLD CAPITAL PI
D586	MATHEMATICAL OPEN-FACE ITALIC SMALL A	D76D	MATHEMATICAL SANS BOLD CAPITAL PSI
D587	MATHEMATICAL OPEN-FACE ITALIC SMALL B	D5E4	MATHEMATICAL SANS BOLD CAPITAL Q
D588	MATHEMATICAL OPEN-FACE ITALIC SMALL C	D5E5	MATHEMATICAL SANS BOLD CAPITAL R
D589	MATHEMATICAL OPEN-FACE ITALIC SMALL D	D766	MATHEMATICAL SANS BOLD CAPITAL RHO
D58A	MATHEMATICAL OPEN-FACE ITALIC SMALL E	D5E6	MATHEMATICAL SANS BOLD CAPITAL S
D58B	MATHEMATICAL OPEN-FACE ITALIC SMALL F	D768	MATHEMATICAL SANS BOLD CAPITAL SIGMA
D58C	MATHEMATICAL OPEN-FACE ITALIC SMALL G	D5E7	MATHEMATICAL SANS BOLD CAPITAL T
D58D	MATHEMATICAL OPEN-FACE ITALIC SMALL H	D769	MATHEMATICAL SANS BOLD CAPITAL TAU
D58E	MATHEMATICAL OPEN-FACE ITALIC SMALL I	D75D	MATHEMATICAL SANS BOLD CAPITAL THETA
D58F	MATHEMATICAL OPEN-FACE ITALIC SMALL J	D5E8	MATHEMATICAL SANS BOLD CAPITAL U

D76A	MATHEMATICAL SANS BOLD CAPITAL UPSILON	D7AD	MATHEMATICAL SANS BOLD ITALIC SMALL DELTA
D5E9	MATHEMATICAL SANS BOLD CAPITAL V	D65A	MATHEMATICAL SANS BOLD ITALIC SMALL E
D5EA	MATHEMATICAL SANS BOLD CAPITAL W	D7AE	MATHEMATICAL SANS BOLD ITALIC SMALL EPSILON
D5EB	MATHEMATICAL SANS BOLD CAPITAL X	D7B0	MATHEMATICAL SANS BOLD ITALIC SMALL ETA
D763	MATHEMATICAL SANS BOLD CAPITAL XI	D65B	MATHEMATICAL SANS BOLD ITALIC SMALL F
D5EC	MATHEMATICAL SANS BOLD CAPITAL Y	D7BB	MATHEMATICAL SANS BOLD ITALIC SMALL FINAL SIGMA
D5ED	MATHEMATICAL SANS BOLD CAPITAL Z	D65C	MATHEMATICAL SANS BOLD ITALIC SMALL G
D75B	MATHEMATICAL SANS BOLD CAPITAL ZETA	D7AC	MATHEMATICAL SANS BOLD ITALIC SMALL GAMMA
D7EC	MATHEMATICAL SANS BOLD DIGIT 0	D65D	MATHEMATICAL SANS BOLD ITALIC SMALL H
D7ED	MATHEMATICAL SANS BOLD DIGIT 1	D65E	MATHEMATICAL SANS BOLD ITALIC SMALL I
D7EE	MATHEMATICAL SANS BOLD DIGIT 2	D7B2	MATHEMATICAL SANS BOLD ITALIC SMALL IOTA
D7EF	MATHEMATICAL SANS BOLD DIGIT 3	D65F	MATHEMATICAL SANS BOLD ITALIC SMALL J
D7F0	MATHEMATICAL SANS BOLD DIGIT 4	D660	MATHEMATICAL SANS BOLD ITALIC SMALL K
D7F1	MATHEMATICAL SANS BOLD DIGIT 5	D7B3	MATHEMATICAL SANS BOLD ITALIC SMALL KAPPA
D7F2	MATHEMATICAL SANS BOLD DIGIT 6	D661	MATHEMATICAL SANS BOLD ITALIC SMALL L
D7F3	MATHEMATICAL SANS BOLD DIGIT 7	D7B4	MATHEMATICAL SANS BOLD ITALIC SMALL LAMDA
D7F4	MATHEMATICAL SANS BOLD DIGIT 8	D662	MATHEMATICAL SANS BOLD ITALIC SMALL M
D7F5	MATHEMATICAL SANS BOLD DIGIT 9	D7B5	MATHEMATICAL SANS BOLD ITALIC SMALL MU
D78A	MATHEMATICAL SANS BOLD EPSILON SYMBOL	D663	MATHEMATICAL SANS BOLD ITALIC SMALL N
D63C	MATHEMATICAL SANS BOLD ITALIC CAPITAL A	D7B6	MATHEMATICAL SANS BOLD ITALIC SMALL NU
D790	MATHEMATICAL SANS BOLD ITALIC CAPITAL ALPHA	D664	MATHEMATICAL SANS BOLD ITALIC SMALL O
D63D	MATHEMATICAL SANS BOLD ITALIC CAPITAL B	D7C2	MATHEMATICAL SANS BOLD ITALIC SMALL OMEGA
D791	MATHEMATICAL SANS BOLD ITALIC CAPITAL BETA	D7B8	MATHEMATICAL SANS BOLD ITALIC SMALL OMICRON
D63E	MATHEMATICAL SANS BOLD ITALIC CAPITAL C	D665	MATHEMATICAL SANS BOLD ITALIC SMALL P
D7A6	MATHEMATICAL SANS BOLD ITALIC CAPITAL CHI	D7BF	MATHEMATICAL SANS BOLD ITALIC SMALL PHI
D63F	MATHEMATICAL SANS BOLD ITALIC CAPITAL D	D7B9	MATHEMATICAL SANS BOLD ITALIC SMALL PI
D793	MATHEMATICAL SANS BOLD ITALIC CAPITAL DELTA	D7C1	MATHEMATICAL SANS BOLD ITALIC SMALL PSI
D640	MATHEMATICAL SANS BOLD ITALIC CAPITAL E	D666	MATHEMATICAL SANS BOLD ITALIC SMALL Q
D794	MATHEMATICAL SANS BOLD ITALIC CAPITAL EPSILON	D667	MATHEMATICAL SANS BOLD ITALIC SMALL R
D796	MATHEMATICAL SANS BOLD ITALIC CAPITAL ETA	D7BA	MATHEMATICAL SANS BOLD ITALIC SMALL RHO
D641	MATHEMATICAL SANS BOLD ITALIC CAPITAL F	D668	MATHEMATICAL SANS BOLD ITALIC SMALL S
D642	MATHEMATICAL SANS BOLD ITALIC CAPITAL G	D7BC	MATHEMATICAL SANS BOLD ITALIC SMALL SIGMA
D792	MATHEMATICAL SANS BOLD ITALIC CAPITAL GAMMA	D669	MATHEMATICAL SANS BOLD ITALIC SMALL T
D643	MATHEMATICAL SANS BOLD ITALIC CAPITAL H	D7BD	MATHEMATICAL SANS BOLD ITALIC SMALL TAU
D644	MATHEMATICAL SANS BOLD ITALIC CAPITAL I	D7B1	MATHEMATICAL SANS BOLD ITALIC SMALL THETA
D798	MATHEMATICAL SANS BOLD ITALIC CAPITAL IOTA	D66A	MATHEMATICAL SANS BOLD ITALIC SMALL U
D645	MATHEMATICAL SANS BOLD ITALIC CAPITAL J	D7BE	MATHEMATICAL SANS BOLD ITALIC SMALL UPSILON
D646	MATHEMATICAL SANS BOLD ITALIC CAPITAL K	D66B	MATHEMATICAL SANS BOLD ITALIC SMALL V
D799	MATHEMATICAL SANS BOLD ITALIC CAPITAL KAPPA	D66C	MATHEMATICAL SANS BOLD ITALIC SMALL W
D647	MATHEMATICAL SANS BOLD ITALIC CAPITAL L	D66D	MATHEMATICAL SANS BOLD ITALIC SMALL X
D79A	MATHEMATICAL SANS BOLD ITALIC CAPITAL LAMDA	D7B7	MATHEMATICAL SANS BOLD ITALIC SMALL XI
D648	MATHEMATICAL SANS BOLD ITALIC CAPITAL M	D66E	MATHEMATICAL SANS BOLD ITALIC SMALL Y
D79B	MATHEMATICAL SANS BOLD ITALIC CAPITAL MU	D66F	MATHEMATICAL SANS BOLD ITALIC SMALL Z
D649	MATHEMATICAL SANS BOLD ITALIC CAPITAL N	D7AF	MATHEMATICAL SANS BOLD ITALIC SMALL ZETA
D79C	MATHEMATICAL SANS BOLD ITALIC CAPITAL NU	D7C5	MATHEMATICAL SANS BOLD ITALIC THETA SYMBOL
D64A	MATHEMATICAL SANS BOLD ITALIC CAPITAL O	D78C	MATHEMATICAL SANS BOLD KAPPA SYMBOL
D7A8	MATHEMATICAL SANS BOLD ITALIC CAPITAL OMEGA	D76F	MATHEMATICAL SANS BOLD NABLA
D79E	MATHEMATICAL SANS BOLD ITALIC CAPITAL OMICRON	D789	MATHEMATICAL SANS BOLD PARTIAL DIFFERENTIAL
D64B	MATHEMATICAL SANS BOLD ITALIC CAPITAL P	D78D	MATHEMATICAL SANS BOLD PHI SYMBOL
D7A5	MATHEMATICAL SANS BOLD ITALIC CAPITAL PHI	D78F	MATHEMATICAL SANS BOLD PI SYMBOL
D79F	MATHEMATICAL SANS BOLD ITALIC CAPITAL PI	D78E	MATHEMATICAL SANS BOLD RHO SYMBOL
D7A7	MATHEMATICAL SANS BOLD ITALIC CAPITAL PSI	D5EE	MATHEMATICAL SANS BOLD SMALL A
D64C	MATHEMATICAL SANS BOLD ITALIC CAPITAL Q	D770	MATHEMATICAL SANS BOLD SMALL ALPHA
D64D	MATHEMATICAL SANS BOLD ITALIC CAPITAL R	D5EF	MATHEMATICAL SANS BOLD SMALL B
D7A0	MATHEMATICAL SANS BOLD ITALIC CAPITAL RHO	D771	MATHEMATICAL SANS BOLD SMALL BETA
D64E	MATHEMATICAL SANS BOLD ITALIC CAPITAL S	D5F0	MATHEMATICAL SANS BOLD SMALL C
D7A2	MATHEMATICAL SANS BOLD ITALIC CAPITAL SIGMA	D786	MATHEMATICAL SANS BOLD SMALL CHI
D64F	MATHEMATICAL SANS BOLD ITALIC CAPITAL T	D5F1	MATHEMATICAL SANS BOLD SMALL D
D7A3	MATHEMATICAL SANS BOLD ITALIC CAPITAL TAU	D773	MATHEMATICAL SANS BOLD SMALL DELTA
D797	MATHEMATICAL SANS BOLD ITALIC CAPITAL THETA	D5F2	MATHEMATICAL SANS BOLD SMALL E
D650	MATHEMATICAL SANS BOLD ITALIC CAPITAL U	D774	MATHEMATICAL SANS BOLD SMALL EPSILON
D7A4	MATHEMATICAL SANS BOLD ITALIC CAPITAL UPSILON	D776	MATHEMATICAL SANS BOLD SMALL ETA
D651	MATHEMATICAL SANS BOLD ITALIC CAPITAL V	D5F3	MATHEMATICAL SANS BOLD SMALL F
D652	MATHEMATICAL SANS BOLD ITALIC CAPITAL W	D781	MATHEMATICAL SANS BOLD SMALL FINAL SIGMA
D653	MATHEMATICAL SANS BOLD ITALIC CAPITAL X	D5F4	MATHEMATICAL SANS BOLD SMALL G
D79D	MATHEMATICAL SANS BOLD ITALIC CAPITAL XI	D772	MATHEMATICAL SANS BOLD SMALL GAMMA
D654	MATHEMATICAL SANS BOLD ITALIC CAPITAL Y	D5F5	MATHEMATICAL SANS BOLD SMALL H
D655	MATHEMATICAL SANS BOLD ITALIC CAPITAL Z	D5F6	MATHEMATICAL SANS BOLD SMALL I
D795	MATHEMATICAL SANS BOLD ITALIC CAPITAL ZETA	D778	MATHEMATICAL SANS BOLD SMALL IOTA
D7C4	MATHEMATICAL SANS BOLD ITALIC EPSILON SYMBOL	D5F7	MATHEMATICAL SANS BOLD SMALL J
D7C6	MATHEMATICAL SANS BOLD ITALIC KAPPA SYMBOL	D5F8	MATHEMATICAL SANS BOLD SMALL K
D7A9	MATHEMATICAL SANS BOLD ITALIC NABLA	D779	MATHEMATICAL SANS BOLD SMALL KAPPA
D7C3	MATHEMATICAL SANS BOLD ITALIC PARTIAL DIFFERENTIAL	D5F9	MATHEMATICAL SANS BOLD SMALL L
D7C7	MATHEMATICAL SANS BOLD ITALIC PHI SYMBOL	D77A	MATHEMATICAL SANS BOLD SMALL LAMDA
D7C9	MATHEMATICAL SANS BOLD ITALIC PI SYMBOL	D5FA	MATHEMATICAL SANS BOLD SMALL M
D7C8	MATHEMATICAL SANS BOLD ITALIC RHO SYMBOL	D77B	MATHEMATICAL SANS BOLD SMALL MU
D656	MATHEMATICAL SANS BOLD ITALIC SMALL A	D5FB	MATHEMATICAL SANS BOLD SMALL N
D7AA	MATHEMATICAL SANS BOLD ITALIC SMALL ALPHA	D77C	MATHEMATICAL SANS BOLD SMALL NU
D657	MATHEMATICAL SANS BOLD ITALIC SMALL B	D5FC	MATHEMATICAL SANS BOLD SMALL O
D7AB	MATHEMATICAL SANS BOLD ITALIC SMALL BETA	D788	MATHEMATICAL SANS BOLD SMALL OMEGA
D658	MATHEMATICAL SANS BOLD ITALIC SMALL C	D77E	MATHEMATICAL SANS BOLD SMALL OMICRON
D7C0	MATHEMATICAL SANS BOLD ITALIC SMALL CHI	D5FD	MATHEMATICAL SANS BOLD SMALL P
D659	MATHEMATICAL SANS BOLD ITALIC SMALL D	D785	MATHEMATICAL SANS BOLD SMALL PHI
		D77F	MATHEMATICAL SANS BOLD SMALL PI

D787	MATHEMATICAL SANS BOLD SMALL PSI	D625	MATHEMATICAL SANS ITALIC SMALL D
D5FE	MATHEMATICAL SANS BOLD SMALL Q	D626	MATHEMATICAL SANS ITALIC SMALL E
D5FF	MATHEMATICAL SANS BOLD SMALL R	D627	MATHEMATICAL SANS ITALIC SMALL F
D780	MATHEMATICAL SANS BOLD SMALL RHO	D628	MATHEMATICAL SANS ITALIC SMALL G
D600	MATHEMATICAL SANS BOLD SMALL S	D629	MATHEMATICAL SANS ITALIC SMALL H
D782	MATHEMATICAL SANS BOLD SMALL SIGMA	D62A	MATHEMATICAL SANS ITALIC SMALL I
D601	MATHEMATICAL SANS BOLD SMALL T	D62B	MATHEMATICAL SANS ITALIC SMALL J
D783	MATHEMATICAL SANS BOLD SMALL TAU	D62C	MATHEMATICAL SANS ITALIC SMALL K
D777	MATHEMATICAL SANS BOLD SMALL THETA	D62D	MATHEMATICAL SANS ITALIC SMALL L
D602	MATHEMATICAL SANS BOLD SMALL U	D62E	MATHEMATICAL SANS ITALIC SMALL M
D784	MATHEMATICAL SANS BOLD SMALL UPSILON	D62F	MATHEMATICAL SANS ITALIC SMALL N
D603	MATHEMATICAL SANS BOLD SMALL V	D630	MATHEMATICAL SANS ITALIC SMALL O
D604	MATHEMATICAL SANS BOLD SMALL W	D631	MATHEMATICAL SANS ITALIC SMALL P
D605	MATHEMATICAL SANS BOLD SMALL X	D632	MATHEMATICAL SANS ITALIC SMALL Q
D77D	MATHEMATICAL SANS BOLD SMALL XI	D633	MATHEMATICAL SANS ITALIC SMALL R
D606	MATHEMATICAL SANS BOLD SMALL Y	D634	MATHEMATICAL SANS ITALIC SMALL S
D607	MATHEMATICAL SANS BOLD SMALL Z	D635	MATHEMATICAL SANS ITALIC SMALL T
D775	MATHEMATICAL SANS BOLD SMALL ZETA	D636	MATHEMATICAL SANS ITALIC SMALL U
D78B	MATHEMATICAL SANS BOLD THETA SYMBOL	D637	MATHEMATICAL SANS ITALIC SMALL V
D5A0	MATHEMATICAL SANS CAPITAL A	D638	MATHEMATICAL SANS ITALIC SMALL W
D5A1	MATHEMATICAL SANS CAPITAL B	D639	MATHEMATICAL SANS ITALIC SMALL X
D5A2	MATHEMATICAL SANS CAPITAL C	D63A	MATHEMATICAL SANS ITALIC SMALL Y
D5A3	MATHEMATICAL SANS CAPITAL D	D63B	MATHEMATICAL SANS ITALIC SMALL Z
D5A4	MATHEMATICAL SANS CAPITAL E	D5BA	MATHEMATICAL SANS SMALL A
D5A5	MATHEMATICAL SANS CAPITAL F	D5BB	MATHEMATICAL SANS SMALL B
D5A6	MATHEMATICAL SANS CAPITAL G	D5BC	MATHEMATICAL SANS SMALL C
D5A7	MATHEMATICAL SANS CAPITAL H	D5BD	MATHEMATICAL SANS SMALL D
D5A8	MATHEMATICAL SANS CAPITAL I	D5BE	MATHEMATICAL SANS SMALL E
D5A9	MATHEMATICAL SANS CAPITAL J	D5BF	MATHEMATICAL SANS SMALL F
D5AA	MATHEMATICAL SANS CAPITAL K	D5CO	MATHEMATICAL SANS SMALL G
D5AB	MATHEMATICAL SANS CAPITAL L	D5C1	MATHEMATICAL SANS SMALL H
D5AC	MATHEMATICAL SANS CAPITAL M	D5C2	MATHEMATICAL SANS SMALL I
D5AD	MATHEMATICAL SANS CAPITAL N	D5C3	MATHEMATICAL SANS SMALL J
D5AE	MATHEMATICAL SANS CAPITAL O	D5C4	MATHEMATICAL SANS SMALL K
D5AF	MATHEMATICAL SANS CAPITAL P	D5C5	MATHEMATICAL SANS SMALL L
D5B0	MATHEMATICAL SANS CAPITAL Q	D5C6	MATHEMATICAL SANS SMALL M
D5B1	MATHEMATICAL SANS CAPITAL R	D5C7	MATHEMATICAL SANS SMALL N
D5B2	MATHEMATICAL SANS CAPITAL S	D5C8	MATHEMATICAL SANS SMALL O
D5B3	MATHEMATICAL SANS CAPITAL T	D5C9	MATHEMATICAL SANS SMALL P
D5B4	MATHEMATICAL SANS CAPITAL U	D5CA	MATHEMATICAL SANS SMALL Q
D5B5	MATHEMATICAL SANS CAPITAL V	D5CB	MATHEMATICAL SANS SMALL R
D5B6	MATHEMATICAL SANS CAPITAL W	D5CC	MATHEMATICAL SANS SMALL S
D5B7	MATHEMATICAL SANS CAPITAL X	D5CD	MATHEMATICAL SANS SMALL T
D5B8	MATHEMATICAL SANS CAPITAL Y	D5CE	MATHEMATICAL SANS SMALL U
D5B9	MATHEMATICAL SANS CAPITAL Z	D5CF	MATHEMATICAL SANS SMALL V
D7E2	MATHEMATICAL SANS DIGIT 0	D5D0	MATHEMATICAL SANS SMALL W
D7E3	MATHEMATICAL SANS DIGIT 1	D5D1	MATHEMATICAL SANS SMALL X
D7E4	MATHEMATICAL SANS DIGIT 2	D5D2	MATHEMATICAL SANS SMALL Y
D7E5	MATHEMATICAL SANS DIGIT 3	D5D3	MATHEMATICAL SANS SMALL Z
D7E6	MATHEMATICAL SANS DIGIT 4	D49C	MATHEMATICAL SCRIPT CAPITAL A
D7E7	MATHEMATICAL SANS DIGIT 5	D49E	MATHEMATICAL SCRIPT CAPITAL C
D7E8	MATHEMATICAL SANS DIGIT 6	D49F	MATHEMATICAL SCRIPT CAPITAL D
D7E9	MATHEMATICAL SANS DIGIT 7	D4A2	MATHEMATICAL SCRIPT CAPITAL G
D7EA	MATHEMATICAL SANS DIGIT 8	D4A5	MATHEMATICAL SCRIPT CAPITAL J
D7EB	MATHEMATICAL SANS DIGIT 9	D4A6	MATHEMATICAL SCRIPT CAPITAL K
D608	MATHEMATICAL SANS ITALIC CAPITAL A	D4A9	MATHEMATICAL SCRIPT CAPITAL N
D609	MATHEMATICAL SANS ITALIC CAPITAL B	D4AA	MATHEMATICAL SCRIPT CAPITAL O
D60A	MATHEMATICAL SANS ITALIC CAPITAL C	D4AB	MATHEMATICAL SCRIPT CAPITAL P
D60B	MATHEMATICAL SANS ITALIC CAPITAL D	D4AC	MATHEMATICAL SCRIPT CAPITAL Q
D60C	MATHEMATICAL SANS ITALIC CAPITAL E	D4AE	MATHEMATICAL SCRIPT CAPITAL S
D60D	MATHEMATICAL SANS ITALIC CAPITAL F	D4AF	MATHEMATICAL SCRIPT CAPITAL T
D60E	MATHEMATICAL SANS ITALIC CAPITAL G	D4B0	MATHEMATICAL SCRIPT CAPITAL U
D60F	MATHEMATICAL SANS ITALIC CAPITAL H	D4B1	MATHEMATICAL SCRIPT CAPITAL V
D610	MATHEMATICAL SANS ITALIC CAPITAL I	D4B2	MATHEMATICAL SCRIPT CAPITAL W
D611	MATHEMATICAL SANS ITALIC CAPITAL J	D4B3	MATHEMATICAL SCRIPT CAPITAL X
D612	MATHEMATICAL SANS ITALIC CAPITAL K	D4B4	MATHEMATICAL SCRIPT CAPITAL Y
D613	MATHEMATICAL SANS ITALIC CAPITAL L	D4B5	MATHEMATICAL SCRIPT CAPITAL Z
D614	MATHEMATICAL SANS ITALIC CAPITAL M	D4B6	MATHEMATICAL SCRIPT SMALL A
D615	MATHEMATICAL SANS ITALIC CAPITAL N	D4B7	MATHEMATICAL SCRIPT SMALL B
D616	MATHEMATICAL SANS ITALIC CAPITAL O	D4B8	MATHEMATICAL SCRIPT SMALL C
D617	MATHEMATICAL SANS ITALIC CAPITAL P	D4B9	MATHEMATICAL SCRIPT SMALL D
D618	MATHEMATICAL SANS ITALIC CAPITAL Q	D4BB	MATHEMATICAL SCRIPT SMALL F
D619	MATHEMATICAL SANS ITALIC CAPITAL R	D4BD	MATHEMATICAL SCRIPT SMALL H
D61A	MATHEMATICAL SANS ITALIC CAPITAL S	D4BE	MATHEMATICAL SCRIPT SMALL I
D61B	MATHEMATICAL SANS ITALIC CAPITAL T	D4BF	MATHEMATICAL SCRIPT SMALL J
D61C	MATHEMATICAL SANS ITALIC CAPITAL U	D4C0	MATHEMATICAL SCRIPT SMALL K
D61D	MATHEMATICAL SANS ITALIC CAPITAL V	D4C2	MATHEMATICAL SCRIPT SMALL M
D61E	MATHEMATICAL SANS ITALIC CAPITAL W	D4C3	MATHEMATICAL SCRIPT SMALL N
D61F	MATHEMATICAL SANS ITALIC CAPITAL X	D4C5	MATHEMATICAL SCRIPT SMALL P
D620	MATHEMATICAL SANS ITALIC CAPITAL Y	D4C6	MATHEMATICAL SCRIPT SMALL Q
D621	MATHEMATICAL SANS ITALIC CAPITAL Z	D4C7	MATHEMATICAL SCRIPT SMALL R
D622	MATHEMATICAL SANS ITALIC SMALL A	D4C8	MATHEMATICAL SCRIPT SMALL S
D623	MATHEMATICAL SANS ITALIC SMALL B	D4C9	MATHEMATICAL SCRIPT SMALL T
D624	MATHEMATICAL SANS ITALIC SMALL C	D4CA	MATHEMATICAL SCRIPT SMALL U

D4CB	MATHEMATICAL SCRIPT SMALL V	D16F	WESTERN MUSICAL SYMBOL LONGA IMPERFECTA REST
D4CC	MATHEMATICAL SCRIPT SMALL W	D16E	WESTERN MUSICAL SYMBOL LONGA PERFECTA REST
D4CD	MATHEMATICAL SCRIPT SMALL X	D117	WESTERN MUSICAL SYMBOL LOURE
D4CE	MATHEMATICAL SCRIPT SMALL Y	D114	WESTERN MUSICAL SYMBOL MARCATO
D4CF	MATHEMATICAL SCRIPT SMALL Z	D115	WESTERN MUSICAL SYMBOL MARCATO-STACCATO
D110	WESTERN MUSICAL SYMBOL ACCENT	D163	WESTERN MUSICAL SYMBOL MAXIMA
D116	WESTERN MUSICAL SYMBOL ACCENT-STACCATO	D145	WESTERN MUSICAL SYMBOL MEZZO
D119	WESTERN MUSICAL SYMBOL ARPEGGIATO DOWN	D168	WESTERN MUSICAL SYMBOL MINIMA
D118	WESTERN MUSICAL SYMBOL ARPEGGIATO UP	D169	WESTERN MUSICAL SYMBOL MINIMA BLACK
D1A5	WESTERN MUSICAL SYMBOL AUGMENTATION DOT	D172	WESTERN MUSICAL SYMBOL MINIMA REST
D1A9	WESTERN MUSICAL SYMBOL BEAM-END	D18D	WESTERN MUSICAL SYMBOL MOON NOTEHEAD BLACK
D1A8	WESTERN MUSICAL SYMBOL BEAM-START	D18C	WESTERN MUSICAL SYMBOL MOON NOTEHEAD WHITE
D11E	WESTERN MUSICAL SYMBOL BEND	D1C4	WESTERN MUSICAL SYMBOL MULTI REST
D138	WESTERN MUSICAL SYMBOL BRACE	D102	WESTERN MUSICAL SYMBOL NATURAL
D139	WESTERN MUSICAL SYMBOL BRACKET	D108	WESTERN MUSICAL SYMBOL NATURAL DOWN
D136	WESTERN MUSICAL SYMBOL BREATH MARK	D107	WESTERN MUSICAL SYMBOL NATURAL UP
D19C	WESTERN MUSICAL SYMBOL BREVE	D10E	WESTERN MUSICAL SYMBOL NEBENSTIMME
D165	WESTERN MUSICAL SYMBOL BREVIS	D193	WESTERN MUSICAL SYMBOL NOTEHEAD BLACK
D170	WESTERN MUSICAL SYMBOL BREVIS REST	D192	WESTERN MUSICAL SYMBOL NULL NOTEHEAD
D13D	WESTERN MUSICAL SYMBOL C CLEF	D13E	WESTERN MUSICAL SYMBOL OLD C CLEF
D137	WESTERN MUSICAL SYMBOL CAESURA	D1A4	WESTERN MUSICAL SYMBOL ONE HUNDRED TWENTY-EIGHTH NOTE
D17F	WESTERN MUSICAL SYMBOL CIRCLE X NOTEHEAD	D1CC	WESTERN MUSICAL SYMBOL ONE HUNDRED TWENTY-EIGHTH REST
D150	WESTERN MUSICAL SYMBOL CLIMACUS	D1CD	WESTERN MUSICAL SYMBOL ONE-LINE STAFF
D14E	WESTERN MUSICAL SYMBOL CLIVIS	D1C0	WESTERN MUSICAL SYMBOL ORNAMENT STROKE EIGHT
D195	WESTERN MUSICAL SYMBOL CLUSTER NOTEHEAD BLACK	D1C3	WESTERN MUSICAL SYMBOL ORNAMENT STROKE ELEVEN
D194	WESTERN MUSICAL SYMBOL CLUSTER NOTEHEAD WHITE	D1BD	WESTERN MUSICAL SYMBOL ORNAMENT STROKE FIVE
D130	WESTERN MUSICAL SYMBOL CODA	D1BC	WESTERN MUSICAL SYMBOL ORNAMENT STROKE FOUR
D1DA	WESTERN MUSICAL SYMBOL COMMON TIME	D1C1	WESTERN MUSICAL SYMBOL ORNAMENT STROKE NINE
D147	WESTERN MUSICAL SYMBOL CRESCENDO	D1B9	WESTERN MUSICAL SYMBOL ORNAMENT STROKE ONE
D17C	WESTERN MUSICAL SYMBOL CROIX	D1BF	WESTERN MUSICAL SYMBOL ORNAMENT STROKE SEVEN
D1DB	WESTERN MUSICAL SYMBOL CUT TIME	D1BE	WESTERN MUSICAL SYMBOL ORNAMENT STROKE SIX
D12E	WESTERN MUSICAL SYMBOL DA CAPO	D1C2	WESTERN MUSICAL SYMBOL ORNAMENT STROKE TEN
D12D	WESTERN MUSICAL SYMBOL DAL SEGNO	D1BB	WESTERN MUSICAL SYMBOL ORNAMENT STROKE THREE
D161	WESTERN MUSICAL SYMBOL DAMP	D1AE	WESTERN MUSICAL SYMBOL ORNAMENT STROKE TWO
D162	WESTERN MUSICAL SYMBOL DAMP ALL	D1AF	WESTERN MUSICAL SYMBOL OTTAVA ALTA
D128	WESTERN MUSICAL SYMBOL DASHED BARLINE	D190	WESTERN MUSICAL SYMBOL OTTAVA BASSA
D148	WESTERN MUSICAL SYMBOL DECRESCEDO	D15B	WESTERN MUSICAL SYMBOL PEDAL MARK
D10F	WESTERN MUSICAL SYMBOL DEGREE SLASH	D1C5	WESTERN MUSICAL SYMBOL PEDAL UP MARK
D11A	WESTERN MUSICAL SYMBOL DOIT	D156	WESTERN MUSICAL SYMBOL PES SUBPUNCTIS
D125	WESTERN MUSICAL SYMBOL DOUBLE BARLINE	D1AD	WESTERN MUSICAL SYMBOL PHRASE-END
D104	WESTERN MUSICAL SYMBOL DOUBLE FLAT	D1AC	WESTERN MUSICAL SYMBOL PHRASE-START
D103	WESTERN MUSICAL SYMBOL DOUBLE SHARP	D144	WESTERN MUSICAL SYMBOL PIANO
D11F	WESTERN MUSICAL SYMBOL DOUBLE TONGUE	D17E	WESTERN MUSICAL SYMBOL PLUS NOTEHEAD
D157	WESTERN MUSICAL SYMBOL DOWN BOW	D14D	WESTERN MUSICAL SYMBOL PODATUS
D142	WESTERN MUSICAL SYMBOL DRUM CLEF ONE	D152	WESTERN MUSICAL SYMBOL PORRECTUS
D143	WESTERN MUSICAL SYMBOL DRUM CLEF TWO	D153	WESTERN MUSICAL SYMBOL PORRECTUS FLEXUS
D1A0	WESTERN MUSICAL SYMBOL EIGHTH NOTE	D19F	WESTERN MUSICAL SYMBOL QUARTER NOTE
D1C8	WESTERN MUSICAL SYMBOL EIGHTH REST	D1C7	WESTERN MUSICAL SYMBOL QUARTER REST
D13F	WESTERN MUSICAL SYMBOL F CLEF	D10C	WESTERN MUSICAL SYMBOL QUARTER TONE FLAT
D140	WESTERN MUSICAL SYMBOL F CLEF OTTAVA ALTA	D10B	WESTERN MUSICAL SYMBOL QUARTER TONE SHARP
D141	WESTERN MUSICAL SYMBOL F CLEF OTTAVA BASSA	D1B0	WESTERN MUSICAL SYMBOL QUINDICESIMA ALTA
D134	WESTERN MUSICAL SYMBOL FERMATA	D1B1	WESTERN MUSICAL SYMBOL QUINDICESIMA BASSA
D135	WESTERN MUSICAL SYMBOL FERMATA UNDER	D12C	WESTERN MUSICAL SYMBOL REPEAT DOTS
D126	WESTERN MUSICAL SYMBOL FINAL BARLINE	D131	WESTERN MUSICAL SYMBOL REPEATED FIGURE ONE
D19B	WESTERN MUSICAL SYMBOL FINGERED TREMOLO	D133	WESTERN MUSICAL SYMBOL REPEATED FIGURE THREE
D1D1	WESTERN MUSICAL SYMBOL FIVE-LINE STAFF	D132	WESTERN MUSICAL SYMBOL REPEATED FIGURE TWO
D101	WESTERN MUSICAL SYMBOL FLAT	D127	WESTERN MUSICAL SYMBOL REVERSE FINAL BARLINE
D106	WESTERN MUSICAL SYMBOL FLAT DOWN	D12B	WESTERN MUSICAL SYMBOL RIGHT REPEAT SIGN
D105	WESTERN MUSICAL SYMBOL FLAT UP	D121	WESTERN MUSICAL SYMBOL RINFORZANDO
D11C	WESTERN MUSICAL SYMBOL FLIP	D11B	WESTERN MUSICAL SYMBOL RIP
D146	WESTERN MUSICAL SYMBOL FORTE	D14F	WESTERN MUSICAL SYMBOL SCANDICUS
D1D0	WESTERN MUSICAL SYMBOL FOUR-LINE STAFF	D154	WESTERN MUSICAL SYMBOL SCANDICUS FLEXUS
D1D9	WESTERN MUSICAL SYMBOL FOUR-STRING FRETBOARD	D12F	WESTERN MUSICAL SYMBOL SEGNO
D16D	WESTERN MUSICAL SYMBOL FUSA BLACK	D167	WESTERN MUSICAL SYMBOL SEMIBREVIS BLACK
D16C	WESTERN MUSICAL SYMBOL FUSA WHITE	D171	WESTERN MUSICAL SYMBOL SEMIBREVIS REST
D13A	WESTERN MUSICAL SYMBOL G CLEF	D166	WESTERN MUSICAL SYMBOL SEMIBREVIS WHITE
D13B	WESTERN MUSICAL SYMBOL G CLEF OTTAVA ALTA	D168	WESTERN MUSICAL SYMBOL SEMIMINIMA BLACK
D13C	WESTERN MUSICAL SYMBOL G CLEF OTTAVA BASSA	D173	WESTERN MUSICAL SYMBOL SEMIMINIMA REST
D15F	WESTERN MUSICAL SYMBOL GLISSANDO DOWN	D16A	WESTERN MUSICAL SYMBOL SEMIMINIMA WHITE
D15E	WESTERN MUSICAL SYMBOL GLISSANDO UP	D100	WESTERN MUSICAL SYMBOL SHARP
D1B3	WESTERN MUSICAL SYMBOL GRACE NOTE NO SLASH	D10A	WESTERN MUSICAL SYMBOL SHARP DOWN
D1B2	WESTERN MUSICAL SYMBOL GRACE NOTE SLASH	D109	WESTERN MUSICAL SYMBOL SHARP UP
D149	WESTERN MUSICAL SYMBOL GREGORIAN C CLEF	D129	WESTERN MUSICAL SYMBOL SHORT BARLINE
D14A	WESTERN MUSICAL SYMBOL GREGORIAN F CLEF	D124	WESTERN MUSICAL SYMBOL SINGLE BARLINE
D19E	WESTERN MUSICAL SYMBOL HALF NOTE	D1D2	WESTERN MUSICAL SYMBOL SIX-LINE STAFF
D15D	WESTERN MUSICAL SYMBOL HALF PEDAL MARK	D1D8	WESTERN MUSICAL SYMBOL SIX-STRING FRETBOARD
D1C6	WESTERN MUSICAL SYMBOL HALF REST	D1A1	WESTERN MUSICAL SYMBOL SIXTEENTH NOTE
D159	WESTERN MUSICAL SYMBOL HARMONIC	D1C9	WESTERN MUSICAL SYMBOL SIXTEENTH REST
D10D	WESTERN MUSICAL SYMBOL HAUPTSTIMME	D1A3	WESTERN MUSICAL SYMBOL SIXTY-FOURTH NOTE
D1B6	WESTERN MUSICAL SYMBOL INVERTED TURN	D1CB	WESTERN MUSICAL SYMBOL SIXTY-FOURTH REST
D12A	WESTERN MUSICAL SYMBOL LEFT REPEAT SIGN	D1AB	WESTERN MUSICAL SYMBOL SLUR-END
D164	WESTERN MUSICAL SYMBOL LONGA		

D1AA	WESTERN MUSICAL SYMBOL SLUR-START
D11D	WESTERN MUSICAL SYMBOL SMEAR
D15A	WESTERN MUSICAL SYMBOL SNAP PIZZICATO
D197	WESTERN MUSICAL SYMBOL SPRECHGESANG STEM
D14B	WESTERN MUSICAL SYMBOL SQUARE B
D181	WESTERN MUSICAL SYMBOL SQUARE NOTEHEAD BLACK
D180	WESTERN MUSICAL SYMBOL SQUARE NOTEHEAD WHITE
D113	WESTERN MUSICAL SYMBOL STACCATISSIMO
D111	WESTERN MUSICAL SYMBOL STACCATO
D196	WESTERN MUSICAL SYMBOL STEM
D1D7	WESTERN MUSICAL SYMBOL STEM PLUS FLAG FIVE
D1D6	WESTERN MUSICAL SYMBOL STEM PLUS FLAG FOUR
D1D3	WESTERN MUSICAL SYMBOL STEM PLUS FLAG ONE
D1D5	WESTERN MUSICAL SYMBOL STEM PLUS FLAG THREE
D1D4	WESTERN MUSICAL SYMBOL STEM PLUS FLAG TWO
D122	WESTERN MUSICAL SYMBOL SUBITO
D178	WESTERN MUSICAL SYMBOL TEMPUS IMPERFECTUM CUM PROLATIONE IMPERFECTA
D179	WESTERN MUSICAL SYMBOL TEMPUS IMPERFECTUM CUM PROLATIONE IMPERFECTA DIMINUTION ONE
D17B	WESTERN MUSICAL SYMBOL TEMPUS IMPERFECTUM CUM PROLATIONE IMPERFECTA DIMINUTION THREE
D17A	WESTERN MUSICAL SYMBOL TEMPUS IMPERFECTUM CUM PROLATIONE IMPERFECTA DIMINUTION TWO
D177	WESTERN MUSICAL SYMBOL TEMPUS IMPERFECTUM CUM PROLATIONE PERFECTA
D175	WESTERN MUSICAL SYMBOL TEMPUS PERFECTUM CUM PROLATIONE IMPERFECTA
D174	WESTERN MUSICAL SYMBOL TEMPUS PERFECTUM CUM PROLATIONE PERFECTA
D176	WESTERN MUSICAL SYMBOL TEMPUS PERFECTUM CUM PROLATIONE PERFECTA DIMINUTION ONE
D112	WESTERN MUSICAL SYMBOL TENUTO
D1A2	WESTERN MUSICAL SYMBOL THIRTY-SECOND NOTE
D1CA	WESTERN MUSICAL SYMBOL THIRTY-SECOND REST
D1CF	WESTERN MUSICAL SYMBOL THREE-LINE STAFF
D1A7	WESTERN MUSICAL SYMBOL TIE-END
D1A6	WESTERN MUSICAL SYMBOL TIE-START
D151	WESTERN MUSICAL SYMBOL TORCULUS
D155	WESTERN MUSICAL SYMBOL TORCULUS RESUPINUS
D1B4	WESTERN MUSICAL SYMBOL TR
D198	WESTERN MUSICAL SYMBOL TREMOLO STEM ONE
D19A	WESTERN MUSICAL SYMBOL TREMOLO STEM THREE
D199	WESTERN MUSICAL SYMBOL TREMOLO STEM TWO
D189	WESTERN MUSICAL SYMBOL TRIANGLE NOTEHEAD DOWN BLACK
D188	WESTERN MUSICAL SYMBOL TRIANGLE NOTEHEAD DOWN WHITE
D185	WESTERN MUSICAL SYMBOL TRIANGLE NOTEHEAD LEFT BLACK
D184	WESTERN MUSICAL SYMBOL TRIANGLE NOTEHEAD LEFT WHITE
D187	WESTERN MUSICAL SYMBOL TRIANGLE NOTEHEAD RIGHT BLACK
D186	WESTERN MUSICAL SYMBOL TRIANGLE NOTEHEAD RIGHT WHITE
D183	WESTERN MUSICAL SYMBOL TRIANGLE NOTEHEAD UP BLACK
D18B	WESTERN MUSICAL SYMBOL TRIANGLE NOTEHEAD UP RIGHT BLACK
D18A	WESTERN MUSICAL SYMBOL TRIANGLE NOTEHEAD UP RIGHT WHITE
D182	WESTERN MUSICAL SYMBOL TRIANGLE NOTEHEAD UP WHITE
D18F	WESTERN MUSICAL SYMBOL TRIANGLE-ROUND NOTEHEAD DOWN BLACK
D18E	WESTERN MUSICAL SYMBOL TRIANGLE-ROUND NOTEHEAD DOWN WHITE
D120	WESTERN MUSICAL SYMBOL TRIPLE TONGUE
D1B5	WESTERN MUSICAL SYMBOL TURN
D1B7	WESTERN MUSICAL SYMBOL TURN SLASH
D1B8	WESTERN MUSICAL SYMBOL TURN UP
D1CE	WESTERN MUSICAL SYMBOL TWO-LINE STAFF
D158	WESTERN MUSICAL SYMBOL UP BOW
D14C	WESTERN MUSICAL SYMBOL VIRGA
D191	WESTERN MUSICAL SYMBOL VOID NOTEHEAD
D19D	WESTERN MUSICAL SYMBOL WHOLE NOTE
D1C5	WESTERN MUSICAL SYMBOL WHOLE REST
D160	WESTERN MUSICAL SYMBOL WITH FINGERNAILS
D17D	WESTERN MUSICAL SYMBOL X NOTEHEAD
D123	WESTERN MUSICAL SYMBOL Z

## C.2 Supplementary Plane for CJK Ideographs

As names for CJK Ideographs are algorithmically created, they are not listed here.

## C.3 Special Purpose Plane

007F	CANCEL TAG
0001	LANGUAGE TAG
0026	TAG AMPERSAND
0027	TAG APOSTROPHE
002A	TAG ASTERISK
005E	TAG CIRCUMFLEX ACCENT
003A	TAG COLON
002C	TAG COMMA
0040	TAG COMMERCIAL AT
0038	TAG DIGIT EIGHT
0035	TAG DIGIT FIVE
0034	TAG DIGIT FOUR
0039	TAG DIGIT NINE
0031	TAG DIGIT ONE
0037	TAG DIGIT SEVEN
0036	TAG DIGIT SIX
0033	TAG DIGIT THREE
0032	TAG DIGIT TWO
0030	TAG DIGIT ZERO
0024	TAG DOLLAR SIGN
003D	TAG EQUALS SIGN
0021	TAG EXCLAMATION MARK
002E	TAG FULL STOP
0060	TAG GRAVE ACCENT
003E	TAG GREATER-THAN SIGN
002D	TAG HYPHEN-MINUS
0041	TAG LATIN CAPITAL LETTER A
0042	TAG LATIN CAPITAL LETTER B
0043	TAG LATIN CAPITAL LETTER C
0044	TAG LATIN CAPITAL LETTER D
0045	TAG LATIN CAPITAL LETTER E
0046	TAG LATIN CAPITAL LETTER F
0047	TAG LATIN CAPITAL LETTER G
0048	TAG LATIN CAPITAL LETTER H
0049	TAG LATIN CAPITAL LETTER I
004A	TAG LATIN CAPITAL LETTER J
004B	TAG LATIN CAPITAL LETTER K
004C	TAG LATIN CAPITAL LETTER L
004D	TAG LATIN CAPITAL LETTER M
004E	TAG LATIN CAPITAL LETTER N
004F	TAG LATIN CAPITAL LETTER O
0050	TAG LATIN CAPITAL LETTER P
0051	TAG LATIN CAPITAL LETTER Q
0052	TAG LATIN CAPITAL LETTER R
0053	TAG LATIN CAPITAL LETTER S
0054	TAG LATIN CAPITAL LETTER T
0055	TAG LATIN CAPITAL LETTER U
0056	TAG LATIN CAPITAL LETTER V
0057	TAG LATIN CAPITAL LETTER W
0058	TAG LATIN CAPITAL LETTER X
0059	TAG LATIN CAPITAL LETTER Y
005A	TAG LATIN CAPITAL LETTER Z
0061	TAG LATIN SMALL LETTER A
0062	TAG LATIN SMALL LETTER B
0063	TAG LATIN SMALL LETTER C
0064	TAG LATIN SMALL LETTER D
0065	TAG LATIN SMALL LETTER E
0066	TAG LATIN SMALL LETTER F
0067	TAG LATIN SMALL LETTER G
0068	TAG LATIN SMALL LETTER H
0069	TAG LATIN SMALL LETTER I
006A	TAG LATIN SMALL LETTER J
006B	TAG LATIN SMALL LETTER K
006C	TAG LATIN SMALL LETTER L
006D	TAG LATIN SMALL LETTER M
006E	TAG LATIN SMALL LETTER N
006F	TAG LATIN SMALL LETTER O
0070	TAG LATIN SMALL LETTER P
0071	TAG LATIN SMALL LETTER Q
0072	TAG LATIN SMALL LETTER R
0073	TAG LATIN SMALL LETTER S
0074	TAG LATIN SMALL LETTER T
0075	TAG LATIN SMALL LETTER U
0076	TAG LATIN SMALL LETTER V
0077	TAG LATIN SMALL LETTER W
0078	TAG LATIN SMALL LETTER X

0079	TAG LATIN SMALL LETTER Y
007A	TAG LATIN SMALL LETTER Z
007B	TAG LEFT CURLY BRACKET
0028	TAG LEFT PARENTHESIS
005B	TAG LEFT SQUARE BRACKET
003C	TAG LESS-THAN SIGN
005F	TAG LOW LINE
0023	TAG NUMBER SIGN
0025	TAG PERCENT SIGN
002B	TAG PLUS SIGN
003F	TAG QUESTION MARK
0022	TAG QUOTATION MARK
005C	TAG REVERSE SOLIDUS
007D	TAG RIGHT CURLY BRACKET
0029	TAG RIGHT PARENTHESIS
005D	TAG RIGHT SQUARE BRACKET
003B	TAG SEMICOLON
002F	TAG SOLIDUS
0020	TAG SPACE
007E	TAG TILDE
007C	TAG VERTICAL LINE

## Annex D: Language tagging using Tag Characters (informative)

### D.1 Overview

The purpose of Tag characters is to associate a text attribute with a point or range of a text sequence. The value of a particular tag is not generally considered to be part of the content of the text. For example, tagging could be used to mark the language or the font applied to a portion of text. Outside of that usage, those characters are ignorable.

These tag characters are to be used to spell out any ASCII-based tagging scheme that needs to be embedded into plain text. These characters can be easily identified by their code value and there is no overloading of usage for these tag characters. They can only express tag values and never textual content itself.

When characters are used within the context of a protocol or syntax containing explicit markup providing the same association, the Tag characters may be filtered out and ignored by these protocols.

The TAGS block contain 97 dedicated tag characters consisting of a clone of the BASIC LATIN graphic characters (names formed by prefixing these BASIC LATIN names with the word 'TAG'), as well as a tag language identification character: LANGUAGE TAG and a tag cancel character: CANCEL TAG.

The tag identification character is used as a mechanism for identifying tags of different types. This enables multiple types of tags to coexist amicably embedded in plain text and solves the problem of delimitation if a tag is concatenated directly onto another tag. Although only one type of tag is currently specified, namely the language tag, the encoding of other tag identification characters in the future would allow for distinct types to be used.

### D.2 Syntax for embedding tags characters

In order to embed any ASCII-derived tag in plain text, the tag is simply spelled out with the tag characters instead, prefixed with the relevant tag identification character. The resultant string is embedded directly in the text.

No termination character is required for a tag. A tag terminates either when the first non-SPP character is encountered, or when the next tag identification character is encountered.

All tag arguments are only encoded with the tag characters. No other characters are valid for expressing the tag argument.

### D.3 Tag scope and nesting

The value of a tag continues from the point the tag is embedded in text until:

- either the text itself goes out of scope,
- or the tag is explicitly cancelled by the CANCEL TAG character.

Tags of the same type cannot be nested in any way. The appearance of a new embedded language tag, for example after text which was already language tagged, simply changes the tagged value for subsequent text to that specified in the new tag.

### D.4 Canceling tag values

The CANCEL TAG character is provided to allow the specific canceling of a tag value. For example to cancel a language tag, the LANGUAGE TAG must precede the CANCEL TAG character.

The usage of the CANCEL TAG character without a prefixed tag identification character cancels any tag value that may be defined.

The main function of the character is to make possible such operations as blind concatenation of strings in a tagged context without the propagation of inappropriate tag values across the string boundaries.

### D.5 Language tags

Language tags are of general interest and may have a high degree of interoperability for protocol usage. For example, to embed a language tag for Japanese, the tag characters would be used as follows:

U-000E0001 U-000E006A U-000E0061

The first value is the coded value of the LANGUAGE TAG character, the second corresponds to the TAG LATIN SMALL LETTER J, and the third corresponds to the TAG LATIN SMALL LETTER A. The sequence 'ja' corresponds to the Japanese language in ISO 639:1988.

## Annex E: Usage of musical symbols (informative)

The musical symbols repertoires are made of combining characters and other characters. As such their usage is specified by the clause 24 of ISO/IEC 10646-1. The following text describes in more details the usage of these combining characters.

### E.1 Byzantine musical symbols

The Byzantine Musical Notation System makes use of the so-called 'three-stripe' effect. There are signs that appear in the Upper, Middle or Lower stripes. Their names are appended respectively with the comment '(u)', '(m)' and '(l)'. Other signs are known as musical characters and appear in the textual part of the notation system. Multiple signs can be stacked together in their appropriate stripe.

### E.2 Western musical symbols

Extensive beams are used frequently in music notation between groups of notes having short values. The format characters WESTERN MUSICAL SYMBOL BEAM-START and WESTERN MUSICAL SYMBOL BEAM-END can be used to indicate the extents of beam groupings. In some exceptional cases, beams are unclosed on one end. This can be indicated with a "null note" (WESTERN MUSICAL SYMBOL NULL NOTEHEAD) character if no stem is to appear at the end of the beam.

Similarly, other format characters have been provided for other connecting structures. The characters

- WESTERN MUSICAL SYMBOL TIE-START,
- WESTERN MUSICAL SYMBOL TIE-END,
- WESTERN MUSICAL SYMBOL SLUR-START,
- WESTERN MUSICAL SYMBOL SLUR-END,
- WESTERN MUSICAL SYMBOL PHRASE-START,
- WESTERN MUSICAL SYMBOL PHRASE-END

indicate the extent of these features.

These pairs of characters modify the layout and grouping of notes and phrases in full music notation. When musical examples are written or rendered in plain text without special software, the start/end control characters may be rendered as brackets or left uninterpreted. More sophisticated in-line processes may interpret them, to the extent possible, in their actual control capacity, rendering slurs, beams, and so forth as appropriate.

For maximum flexibility, the character set includes both pre-composed note values and primitives from which complete notes may be constructed. Due to their ubiquity, the pre-composed versions are provided mainly for convenience. In addition to coding ease, their use will also reduce data size. The following table illustrates these equivalents.

1. WESTERN MUSICAL SYMBOL HALF NOTE	= WESTERN MUSICAL SYMBOL VOID NOTEHEAD + WESTERN MUSICAL SYMBOL STEM
2. WESTERN MUSICAL SYMBOL QUARTER NOTE	= WESTERN MUSICAL SYMBOL NOTEHEAD BLACK + WESTERN MUSICAL SYMBOL STEM
3. WESTERN MUSICAL SYMBOL EIGHTH NOTE	= WESTERN MUSICAL SYMBOL NOTEHEAD BLACK + WESTERN MUSICAL SYMBOL STEM PLUS FLAG ONE
4. WESTERN MUSICAL SYMBOL SIXTEENTH NOTE	= WESTERN MUSICAL SYMBOL NOTEHEAD BLACK + WESTERN MUSICAL SYMBOL STEM PLUS FLAG TWO
5. WESTERN MUSICAL SYMBOL THIRTY-SECOND NOTE	= WESTERN MUSICAL SYMBOL NOTEHEAD BLACK + WESTERN MUSICAL SYMBOL STEM PLUS FLAG THREE
6. WESTERN MUSICAL SYMBOL SIXTY-FOURTH NOTE	= WESTERN MUSICAL SYMBOL NOTEHEAD BLACK + WESTERN MUSICAL SYMBOL STEM PLUS FLAG FOUR
7. WESTERN MUSICAL SYMBOL ON HUNDRED TWENTY-EIGHTH NOTE	= WESTERN MUSICAL SYMBOL NOTEHEAD BLACK + WESTERN MUSICAL SYMBOL STEM PLUS FLAG FIVE

Coding convenience notwithstanding, notes built up from alternative noteheads, stems and flags, and articulation symbols are necessary for complete implementations and complex scores. Examples of their use include American shape-note and modern percussion notations. For example,

1. WESTERN MUSICAL SYMBOL SQUARE NOTEHEAD BLACK + WESTERN MUSICAL SYMBOL STEM
2. WESTERN MUSICAL SYMBOL X NOTEHEAD + WESTERN MUSICAL SYMBOL STEM

Augmentation dots and articulation symbols may be appended to either the pre-composed or built-up notes. For example:

	= WESTERN MUSICAL
1. WESTERN MUSICAL SYMBOL EIGHTH NOTE +	SYMBOL NOTEHEAD BLACK
WESTERN MUSICAL	+ WESTERN MUSICAL
SYMBOL AUGMENTATION	SYMBOL STEM PLUS FLAG
DOT	ONE + WESTERN MUSICAL
	SYMBOL AUGMENTATION
	DOT
	= WESTERN MUSICAL
2. WESTERN MUSICAL SYMBOL QUARTER NOTE	SYMBOL NOTEHEAD BLACK
+ WESTERN MUSICAL	+ WESTERN MUSICAL
SYMBOL STACCATO	SYMBOL STEM + WESTERN
	MUSICAL SYMBOL
	STACCATO

In addition, augmentation dots and articulation symbols may be repeated as necessary to build a complete note symbol. For example,

WESTERN MUSICAL SYMBOL EIGHTH NOTE + WESTERN  
MUSICAL SYMBOL AUGMENTATION DOT + WESTERN  
MUSICAL SYMBOL AUGMENTATION DOT + WESTERN  
MUSICAL SYMBOL ACCENT

## Annex F: Source of Characters (informative)

Several sources and contributions were used for constructing this coded character set. The sources are arranged by repertoire.

### **Deseret**

To be provided.

### **Etruscan**

Bonfante, Larissa. 1990. *Etruscan*. (Reading the Past) Trustees of the British Museum: British Museum Press. ISBN 0-7141-8071-8

### **Gothic**

Fairbanks, Sydney, and F. P. Magoun Jr. 1940. 'On writing and printing Gothic', in *Speculum* 15:313-16.

### **Byzantine Musical Symbols**

ΣΕΠΙ ΕΛΑΤ 1373. The Greek Byzantine Musical Notation System (Greek National Standard).

### **Western Musical Symbols**

To be provided.

### **CJK Unified Ideographs**

See Clause 10.2.

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

## Part 1: Architecture and Basic Multilingual Plane AMENDMENT 1: Part 2 introduction

### Page 8, Clause 8

*Insert the following paragraph and note after the second paragraph (ending by ‘control characters.’):*

Code positions 0000 2060 to 0000 206F, 0000 FFF0 to 0000 FFFC and 000E 0000 to 000E 0FFF are reserved for Alternate Format Characters.

NOTE: Unassigned code positions in that range may be ignored in normal processing and display.

### Page 9, Clause 14

*Insert the following expression at the end of the first paragraph after ‘annex B’:*

of each part of ISO/IEC 10646

### Page 9, Clause 14.1

*Insert the following expression after ‘see clause B.1’:*

of each part of ISO/IEC 10646

### Page 9, Clause 14.2

*Insert the following expression after ‘see clause B.2’:*

of each part of ISO/IEC 10646

### Page 13, Clause 24

*Insert the following expression after ‘clause B.1’ and ‘clause B.2’:*

of each part of ISO/IEC 10646

### Annex A, clause A.1

*Modify the collection 81 to read:*

81 CJK UNIFIED IDEOGRAPHS EXTENSION A	3400-4DBF
	FA1F,FA23

*Add the following collection after #207:*

208 ALTERNATE FORMAT CHARACTERS	2060-206F
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...

### Annex R

*Modify the end of the first note to read:*

- CJK COMPATIBILITY IDEOGRAPHS (F900-FAFF with the exception of FA0E, FA0F, FA11, FA13, FA14, FA1F, FA21, FA23, FA24, FA27, FA28 AND FA29).