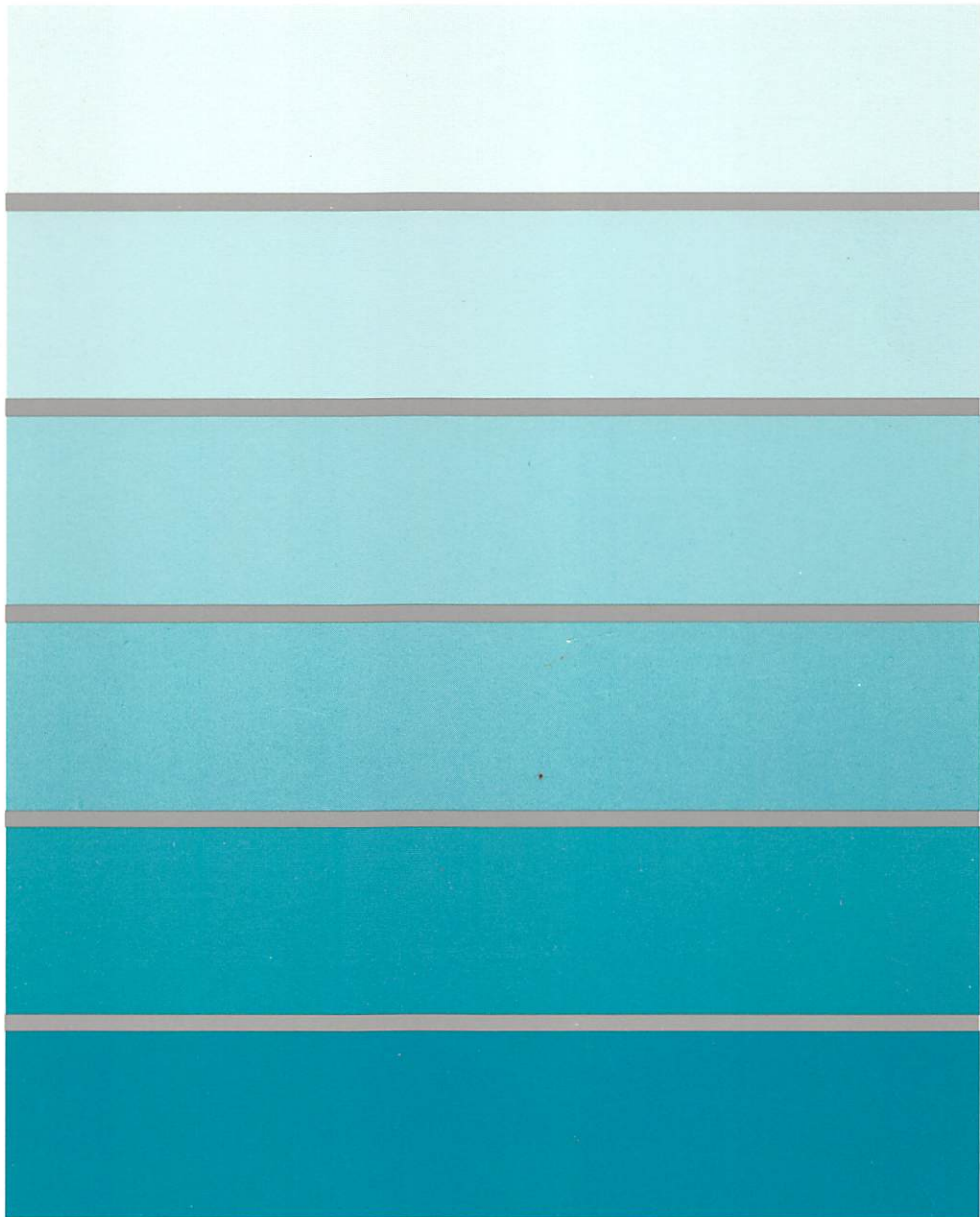




# Character Set Reference

Return to Development  
Division Library

*JKS*  
*360.*





---

# IBM 3174 Establishment Controller Character Set Reference

GA27-3831-2



### **Third Edition (March 1990)**

This major revision obsoletes and replaces GA27-3831-1.

Changes are made periodically to the information herein; before using this publication in connection with the operation of IBM systems or equipment, consult your IBM sales representative or the latest *IBM System/370, 30xx, and 4300 Processors Bibliography*, GC20-0001, for the editions that are applicable and current. Changes or additions to the text are indicated by a vertical line to the left of the change.

References in this publication to IBM products, programs, or services do not imply that IBM intends to make these available in all countries in which IBM operates. Any reference to an IBM licensed program in this publication is not intended to state or imply that only IBM's licensed program may be used. Any functionally equivalent program may be used instead.

Publications are not stocked at the address given below. Requests for IBM publications should be made to your IBM representative or to the IBM branch office serving your locality.

A Reader's Comment Form is provided at the back of this publication. If the form has been removed, address comments to IBM Corporation, Department E02, PO Box 12195, Research Triangle Park, North Carolina, U.S.A. 27709. IBM may use or distribute whatever information you supply in any way it believes appropriate without incurring any obligation to you.

**© Copyright International Business Machines Corporation 1988, 1990. All rights reserved.**

Note to US Government Users — Documentation related to restricted rights — Use, duplication or disclosure is subject to restrictions set forth in GSA ADP Schedule Contract with IBM Corp.

The following warning statements (required by country regulatory agencies) are applicable in the countries indicated.

### **United States**

**Note:** This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Properly shielded and grounded cables and connectors must be used in order to meet FCC emission limits. Proper cables are available from IBM authorized dealers. IBM is not responsible for any radio or television interference caused by using other than recommended cables or by unauthorized changes or modifications to this equipment. Unauthorized changes or modifications could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

### **United Kingdom**

**Warning:** This IBM product is made to high Safety standards. It complies inherently with Telecommunications safety standard BS6301. It is not designed to provide protection from excessive voltages appearing externally at its interfaces. Therefore, when this product is connected to a public telecommunications network via any other equipment, and you connect to this product items not supplied by IBM United Kingdom Ltd., you must comply with mandatory telecommunications safety requirements.

You may do this either by choosing products which also are approved as complying to BS6301 or British Telecom Technical Guide No. 26, or by the use of approved safety barriers. Consult the local office of your public telecommunications operator, for advice and permission to make the connections.

### **Canadian Department of Communications compliance statement**

This equipment does not exceed Class A limits per radio noise emissions for digital apparatus, set out in the Radio Interference Regulation of the Canadian Department of Communications. Operation in a residential area may cause unacceptable interference to radio and TV reception requiring the owner or operator to take whatever steps are necessary to correct the interference.

### **Avis de conformité aux normes du ministère des Communications du Canada**

Cet équipement ne dépasse pas les limites de Classe A d'émission de bruits radioélectriques pour les appareils numériques, telles que prescrites par le Règlement sur le brouillage radioélectrique établi par le ministère des Communications du Canada. L'exploitation faite en milieu résidentiel peut entraîner le brouillage des réceptions radio et télé, ce qui obligerait le propriétaire ou l'opérateur à prendre les dispositions nécessaires pour en éliminer les causes.

---

## Special Notices

InfoWindow, denoted by an asterisk (\*) in this publication, is a trademark of the IBM Corporation in the United States and/or other countries.

---

## Preface

This manual provides management personnel, programmers, and systems analysts with general reference information relating to keyboards, code pages, and character generators that are supported by the 3174 Establishment Controller both in the United States and in World Trade (WT) countries.

**Note:** Information for specific or unique keyboard functions independent of 3174 support can be found in each specific terminal's user documentation.

---

## How This Book Is Organized

This book has six chapters.

Chapter 1, "Introduction," provides tables that summarize the National Language Support for each type of keyboard supported by the 3174.

Chapter 2, "Base Keyboards," provides descriptions and national language layouts for the IBM Base keyboards.

Chapter 3, "Converged Keyboards," provides descriptions and national language layouts for the IBM Converged keyboards.

Chapter 4, "Enhanced Keyboards," provides descriptions and national language layouts for the IBM Enhanced keyboards.

Chapter 5, "3270 Display Station and Printer Code Page Charts," contains charts of the code pages that support the 3270 keyboards and printers associated with the 3174 Controller.

Chapter 6, "3270 Character Generators," contains illustrations depicting the characters that can be generated by 3270 character generators within the 3270 Information Display System terminals.

---

## Choosing the Right Book from the IBM 3174 Library

The IBM 3174 library contains information for installing, customizing, operating, maintaining, and programming the data stream for the 3174 controller. The following list shows the manuals you need to perform these tasks.

### **To Find Translations of Safety Notices:**

*Safety Notices*, GA27-3824

### **To Organize Library Materials:**

Binders and Inserts, SBOF-0089

Binder, SX23-0331

Inserts, SX23-0332

### **To Become Familiar with the 3174:**

*Master Index*, GC30-3515

*3174 Introduction*, GA27-3850

*3270 Information Display System Introduction*, GA27-2739

### **To Prepare Your Site for the 3174:**

*Site Planning*, GA23-0213

*Physical Planning Template*, GX27-2999

### **To Set Up and Operate the 3174:**

*Models 1L, 1R, 2R, 3R, 11L, 11R, 12R, and 13R User's Guide*, GA23-0337

*Models 51R, 52R, 53R, 61R, 62R, and 63R User's Guide*, GA23-0333

*Models 81R, 82R, 90R, 91R, and 92R User's Guide*, GA23-0313

### **To Plan for and Customize the 3174:**

#### **Configuration Support A and S**

*Planning Guide*, GA27-3844

*Utilities Guide*, GA27-3853

*Central Site Customizing User's Guide*, GA23-0342

#### **Configuration Support B**

*Planning Guide*, GA27-3862

*Utilities Guide*, GA27-3863

*Central Site Customizing User's Guide*, GA27-3868

*Asynchronous Emulation Adapter Description and Reference*, GA27-3872

**To Install Features or Convert Models on the 3174:**

*Encrypt/Decrypt Adapter Customer Installation and Removal Instructions, GA23-0262*  
*Fixed Disk Installation and Removal Instructions, GA27-3864*  
*Diskette Drive Installation and Removal Instructions, GA23-0263*  
*Terminal Multiplexer Adapter Installation and Removal Instructions, GA23-0265*  
*Model Conversion Instructions, GA23-0295*  
*Token-Ring Network Feature Installation and Removal Instructions, GA23-0329*  
*Storage Expansion Feature Installation and Removal Instructions, GA23-0330*  
*Communications Adapter Installation and Removal Instructions, GA27-3830*  
*Asynchronous Emulation Adapter Installation and Removal Instructions, GA23-0341*  
*Concurrent Communication Adapter Installation and Removal Instructions, GA27-3851*

**To Plan for and Use the Asynchronous Emulation Adapter Feature or the Multiple Logical Terminals Function:**

**Configuration Support A and S**

*Planning Guide, GA27-3844*  
*Utilities Guide, GA27-3853*  
*Terminal User's Reference for Expanded Functions, GA23-0332*

**Configuration Support B**

*Planning Guide, GA27-3862*  
*Utilities Guide, GA27-3863*  
*Terminal User's Reference for Expanded Functions, GA23-0332*  
*Asynchronous Emulation Adapter Description and Reference, GA27-3872*

**To Perform 3174 Problem Determination:**

*Customer Problem Determination, GA23-0217*  
*Status Codes, GA27-3832*

**To Obtain Data Stream Programming and Reference Information:**

*Functional Description, GA23-0218*  
*Data Stream Programmer's Reference, GA23-0059*  
*Asynchronous Emulation Adapter Description and Reference, GA27-3872*  
*3174 Reference Summary, GX27-3872*  
*3174 Character Set Reference, GA27-3831*  
*3270 Character Set Reference, GA27-2837*  
*3270 X.25 Operation, GA23-0204*

**To Perform Maintenance (Service Personnel):**

*Models 1L, 1R, 2R, 3R, 11L, 11R, 12R, and 13R Maintenance Information, SY27-2572*  
*Models 51R, 52R, 53R, 61R, 62R, and 63R Maintenance Information, SY27-2573*  
*Models 81R, 82R, 91R, and 92R Maintenance Information, SY27-2584*  
*CE Reference Summary, SX27-3873*  
*Status Codes, GA27-3832*



# Contents

<b>Chapter 1. Introduction</b> .....	1-1
Keyboards Supported by the 3174 .....	1-1
Extension/Extended Select Function .....	1-2
Extended Graphics Function (ExGr) .....	1-2
Base Keyboards and Supported Languages .....	1-3
Converged Keyboards and Supported Languages .....	1-4
Enhanced Keyboards and Supported Languages .....	1-5
<b>Chapter 2. Base Keyboards</b> .....	2-1
Control Unit Terminal (CUT) Emulators .....	2-1
Base Keyboard Layouts .....	2-1
Extension Functions .....	2-2
Extended Graphics Functions (ExGr) .....	2-3
Austrian/German .....	2-4
Belgian .....	2-6
Belgian (New) .....	2-8
Brazilian .....	2-10
Canadian Bilingual .....	2-12
Danish .....	2-14
EBCDIC (WT) .....	2-16
English (U.K.) .....	2-18
English (U.S.A.) .....	2-20
English (U.S.A.) ASCII-International, ASCII-8 .....	2-22
English (U.S.A.) ASCII-7 .....	2-23
Finnish .....	2-25
French .....	2-27
Greek .....	2-29
Icelandic .....	2-30
International .....	2-31
Italian .....	2-33
Japanese English .....	2-35
Japanese Katakana .....	2-37
Netherlands .....	2-38
Norwegian .....	2-40
Portuguese .....	2-42
Spanish .....	2-44
Spanish-Speaking .....	2-46
Swedish .....	2-48
Swiss-French (New) .....	2-50
Swiss-German (New) .....	2-51
Turkish .....	2-52
Alternative Keyboards (U.S.A.) .....	2-53
Alternative Keyboards (U.S.A.) ASCII-7 .....	2-55
Alternative Keyboards (Canadian Bilingual) .....	2-57
Attribute Select Keypads .....	2-59
<b>Chapter 3. Converged Keyboards</b> .....	3-1
Keyboard Descriptions .....	3-1
Extended Select Functions .....	3-2
Extended Graphics Functions .....	3-3
Numeric Keypads .....	3-4
Keyboard Layouts .....	3-4

Austrian/German	3-5
Belgian	3-7
Belgian (New)	3-8
Canadian Bilingual	3-9
Cyrillic	3-11
Danish	3-12
English (U.K.)	3-14
English (U.S.A.)	3-16
English (U.S.A.) ASCII-International, ASCII-8	3-18
English (U.S.A.) ASCII-7	3-19
Finnish	3-21
French	3-23
Greek	3-25
Icelandic	3-26
Italian	3-27
Japanese Katakana	3-29
Netherlands	3-31
Norwegian	3-33
Portuguese	3-35
ROECE Latin	3-37
Spanish	3-38
Spanish-Speaking	3-39
Swedish	3-41
Swiss-French (New)	3-43
Swiss-German (New)	3-44
Turkish	3-45
Yugoslav	3-46
<b>Chapter 4. Enhanced Keyboards</b>	<b>4-1</b>
Keyboard Descriptions	4-1
Extended Select Functions	4-1
Extended Graphics Functions	4-2
Numeric Keypads	4-4
Keyboard Layouts	4-4
Austrian/German	4-5
Belgian (New)	4-5
Canadian Bilingual	4-6
Cyrillic	4-6
Danish	4-7
English (U.K.)	4-7
English (U.S.A.)	4-8
English (U.S.A.) ASCII-7	4-8
Finnish	4-9
French	4-9
Greek	4-10
Icelandic	4-10
Italian	4-11
Japanese Katakana	4-11
Netherlands	4-12
Norwegian	4-12
Portuguese	4-13
ROECE Latin	4-13
Spanish	4-14
Spanish-Speaking	4-14
Swedish	4-15
Swiss-French (New)	4-15

Swiss-German (New)	4-16
Thai	4-16
Turkish	4-17
Yugoslav	4-17
<b>Chapter 5. 3270 Display Station and Printer Code Page Charts</b>	<b>5-1</b>
Code Pages	5-1
Coded Graphic Character Set Global Identifier (CGCSGID)	5-2
Character Set 697-0	5-4
Character Set 697-1	5-5
APL/APL2 Text Feature Code Page	5-6
Control Character Assignments (EBCDIC)	5-7
Austrian/German Code Page	5-8
Belgian Code Page	5-9
Belgian (New) Code Page	5-10
Brazilian Code Page	5-11
Canadian Bilingual Code Page	5-12
Cyrillic Code Page	5-13
Danish Code Page	5-14
EBCDIC (WT) Code Page	5-15
English (U.K.) Code Page	5-16
English (U.S.A.) Code Page	5-17
English (U.S.A.) ASCII-International Code Page	5-18
English (U.S.A.) ASCII-7 Code Page	5-19
English (U.S.A.) ASCII-8 Code Page	5-20
Finnish Code Page	5-21
French Code Page	5-22
Greek Code Page	5-23
Icelandic Code Page	5-24
International Code Page	5-25
Italian Code Page	5-26
Japanese English Code Page	5-27
Japanese Katakana Code Page	5-28
Netherlands Code Page	5-29
Norwegian Code Page	5-30
Portuguese Code Page	5-31
ROECE Latin Code Page	5-32
Spanish Code Page	5-33
Spanish-Speaking Code Page	5-34
Swedish Code Page	5-35
Swiss-French (New) Code Page	5-36
Swiss-German (New) Code Page	5-37
Thai Code Page	5-38
Turkish Code Page	5-39
Yugoslav Code Page	5-40
3289 Text Print Feature Code Page	5-41
<b>Chapter 6. 3270 Character Generators</b>	<b>6-1</b>
Base Character Set Character Generator	6-2
APL/APL2 Character Generator	6-3
CECP Character Generator	6-4
Cyrillic Character Generator	6-5
Greek Character Generator	6-6
Greek Character Generator	6-7
Icelandic Character Generator	6-8
Icelandic Character Generator	6-9

Icelandic CECP Character Generator . . . . .	6-10
Japanese Katakana Character Generator . . . . .	6-11
ROECE Latin Character Generator . . . . .	6-12
Spanish Character Generator . . . . .	6-13
Thai Character Generator . . . . .	6-14
Turkish Character Generator . . . . .	6-15
Turkish Character Generator . . . . .	6-16
Turkish Character Generator . . . . .	6-17
Turkish Character Generator . . . . .	6-18
Yugoslav Character Generator . . . . .	6-19
<b>Index</b> . . . . .	<b>X-1</b>

# **Tables**

1-1.	Base Keyboards	1-3
1-2.	Converged Keyboards	1-4
1-3.	Enhanced Keyboards	1-5

---

## Summary of Changes

This book has been revised to include the following changes and enhancements:

- The book supports IBM 3174 Configuration B, Release 2.
- English (U.S.A.) ASCII-7 support has been added.
- Extended keyboard functions, including Caps Lock and Extended Graphics (ExGr), have been added to some of the keyboards.
- Null/Space Processing is available in Extension and Extended Select mode.
- The IBM 3471 InfoWindow\* and 3472 InfoWindow have been added to the list of control unit terminals (CUTs) described in this book.

Changes or additions to the text are indicated by a vertical line to the left of the change.

---

# Chapter 1. Introduction

This reference book illustrates layouts of the common keyboard function, code pages, and character generators for the national languages supported by the IBM 3174. Some keyboards have *local function* keys that support terminal functions independent of 3174 support. Those keys are not shown in this book. For the local keyboard functions supported by a specific terminal, see the documentation for that terminal.

Some keyboard customizing questions and responses are summarized with each national language. This information is shown as: **Qnnn = xxx**. Where *nnn* is the customizing question number and *xxx* is the response for each corresponding language or keyboard feature. Refer to "Choosing the Right Book from the IBM 3174 Library" on page vi for 3174 publications containing customizing information.

---

## Keyboards Supported by the 3174

The 3174 supports the following keyboards:

- Base keyboard
- Converged keyboard
- Enhanced keyboard.

The control unit terminals (CUTs) that use the keyboards described in this book are:

- IBM 3178 Display Station
- IBM 3179 Color Display Station
- IBM 3180 Display Station
- IBM 3191 Display Station
- IBM 3192 Display Station
- IBM 3278 Display Station
- IBM 3279 Color Display Station
- IBM 3471 InfoWindow
- IBM 3472 InfoWindow
- IBM emulators

You can find code page charts in Chapter 5 for the following alphanumeric national languages and features:

**Note:** The exact shapes of the code page characters shown in this book may vary somewhat from those you see displayed or printed, depending on how your display or printer forms the characters.

APL Character Set	English (U.S.A.) ASCII-International	Norwegian
APL2 Character Set	English (U.S.A.) ASCII-7	Portuguese
Austrian/German	English (U.S.A.) ASCII-8	ROECE Latin
Belgian	Finnish	Spanish
Belgian (New)	French	Spanish-Speaking
Brazilian	Greek	Swedish
Canadian Bilingual	Icelandic	Swiss-French (New)
Cyrillic	International	Swiss-German (New)
Danish	Italian	TEXT Character Set
EBCDIC (WT)	Japanese English	Thai
English (U.K.)	Japanese Katakana	Turkish
English (U.S.A.)	Netherlands	Yugoslav

## Supported Keyboards

The code pages, except where noted, are applicable to the following machines besides those listed previously:

- 3812 Page Printer Model 2
- 4214 Printer Model 1
- 4224 Printer Models 201, 202, 2C2, and 2E2
- 4234 Printer Model 1
- 4245 Printer Models D12 and D20
- 4250 Printer
- 5210 Printer Models G01 and G02
- 6262 Printer Models D12 and D14.

## Extension/Extended Select Function

The Extension (Base keyboards) and Extended Select (Enhanced and Converged keyboards) functions provide a keyboard mode in which additional functions required by such features as the X.21 or X.25 interfaces may be activated. The keyboard is placed in Extension/Extended Select mode by use of the Extension key or Extended Select key on the keyboard. The keys that have been assigned the additional functions required by the feature then become active. See the keyboard layouts in the respective keyboard chapters in this book.

## Extended Graphics Function (ExGr)

The Extended Graphics function provides a keyboard mode in which additional characters are available. The keyboard is placed in Extended Graphics mode by use of the Extended Graphics (ExGr) key on the keyboard. The keys that have been assigned additional characters for this feature then become active. See the appropriate keyboard layouts for the location of these characters.



## Base Keyboards and Supported Languages

The following table summarizes the National Language Support for the Base keyboards that are shown in Chapter 2, "Base Keyboards."

<i>Table 1-1. Base Keyboards</i>					
Language/Type	Typewriter	Data Entry	Data Entry Keypunch	APL	Text
Austrian/German	X	X	X	X	
Belgian	X	X	X	X	
Belgian (New)	X	X	X	X	
Brazilian	X	X	X	X	
Canadian Bilingual	X	X	X	X	X
Danish	X	X	X	X	
EBCDIC (WT)	X	X	X	X	
English (U.K.)	X	X	X	X	
English (U.S.A.)	X	X	X	X	X
English (U.S.A.) ASCII-International, ASCII-8	X				
English (U.S.A.) ASCII-7	X	X	X	X	X
Finnish	X	X	X	X	
French	X	X	X	X	
Greek	X	X			
Icelandic	X				
International	X	X	X	X	
Italian	X	X	X	X	
Japanese English	X	X	X	X	
Japanese Katakana	X	X		X	
Netherlands	X	X	X	X	X
Norwegian	X	X	X	X	
Portuguese	X	X	X	X	
Spanish	X	X	X	X	
Spanish-Speaking	X	X	X	X	
Swedish	X	X	X	X	
Swiss-French (New)	X	X			
Swiss-German (New)	X	X			
Turkish	X				
<b>Special Keyboards</b>					
Attribute Select	X			X	
Model 1038	X				
Model 1158	X			X	
Model 1808	X				
Model 1932	X				

## Converged Keyboards

### Converged Keyboards and Supported Languages

The following table summarizes the National Language Support for the Converged keyboards that are shown in Chapter 3, "Converged Keyboards."

<b>Language/Type</b>	<b>Typewriter</b>	<b>Data Entry</b>	<b>APL</b>
Austrian/German	X	X	X
Belgian	X		X
Belgian (New)	X		X
Canadian Bilingual	X	X	X
Cyrillic	X		
Danish	X	X	X
English (U.K.)	X	X	X
English (U.S.A.)	X	X	X
English (U.S.A.) ASCII-International, ASCII-8	X		
English (U.S.A.) ASCII-7	X	X	X
Finnish	X	X	X
French	X	X	X
Greek	X		
Icelandic	X		
Italian	X	X	X
Japanese Katakana	X	X	X
Netherlands	X	X	X
Norwegian	X	X	X
Portuguese	X	X	X
ROECE Latin	X		
Spanish	X		X
Spanish-Speaking	X	X	X
Swedish	X	X	X
Swiss-French (New)	X		X
Swiss-German (New)	X		X
Turkish	X		
Yugoslav	X		

## Enhanced Keyboards and Supported Languages

The following table summarizes the National Language Support for the Enhanced keyboards that are shown in Chapter 4, "Enhanced Keyboards."

<i>Table 1-3. Enhanced Keyboards</i>	
<b>Language/Type</b>	<b>Typewriter</b>
Austrian/German	X
Belgian (New)	X
Canadian Bilingual	X
Cyrillic	X
Danish	X
English (U.K.)	X
English (U.S.A.)	X
English (U.S.A.) ASCII-7	X
Finnish	X
French	X
Greek	X
Icelandic	X
Italian	X
Japanese Katakana	X
Netherlands	X
Norwegian	X
Portuguese	X
ROECE Latin	X
Spanish	X
Spanish-Speaking	X
Swedish	X
Swiss-French (New)	X
Swiss-German (New)	X
Thai	X
Turkish	X
Yugoslav	X

---

## Chapter 2. Base Keyboards

This chapter provides definitions and national language layouts for the IBM Base keyboards.

These keyboards consist of 75-key and 87-key keyboards. The Japanese Katakana versions add one key, making those 76-key and 88-key keyboards respectively. The 3178, 3278, and 3279 display stations use the Base keyboards described in the following sections.

You can mix Typewriter, Data Entry, Text, APL, or Data Entry Keypunch keyboards in the same control unit environment, if the keyboard languages are the same.

Twelve of the keys in the top row of the 75/76-key keyboard are standard program function keys PF1 through PF12. APL keyboards do not have PF keys in the top row; see the following note. On 87/88-key keyboards, an additional group of 12 program function keys is on the right-hand side of the keyboard. On 87/88-key keyboards attached to a 3278 Model 2, 3, or 4, or to a 3279 Model 2B or 3B, the additional program function keys may have added functions. The added functions control the extended attributes: highlighting, programmed symbols, and on the 3279, color.

**Note:** On 87/88-key APL and Text keyboards, the 12 program function keys to the right of the keyboard are PF1 through PF12. Where these keys also control attribute selection, their use is the same as on other 87/88-key keyboards.

---

### Control Unit Terminal (CUT) Emulators

The IBM 3194 Display Station operating in CUT mode has either a Converged or an Enhanced keyboard that emulates a Base keyboard. IBM personal computer keyboards emulate a Base keyboard.

---

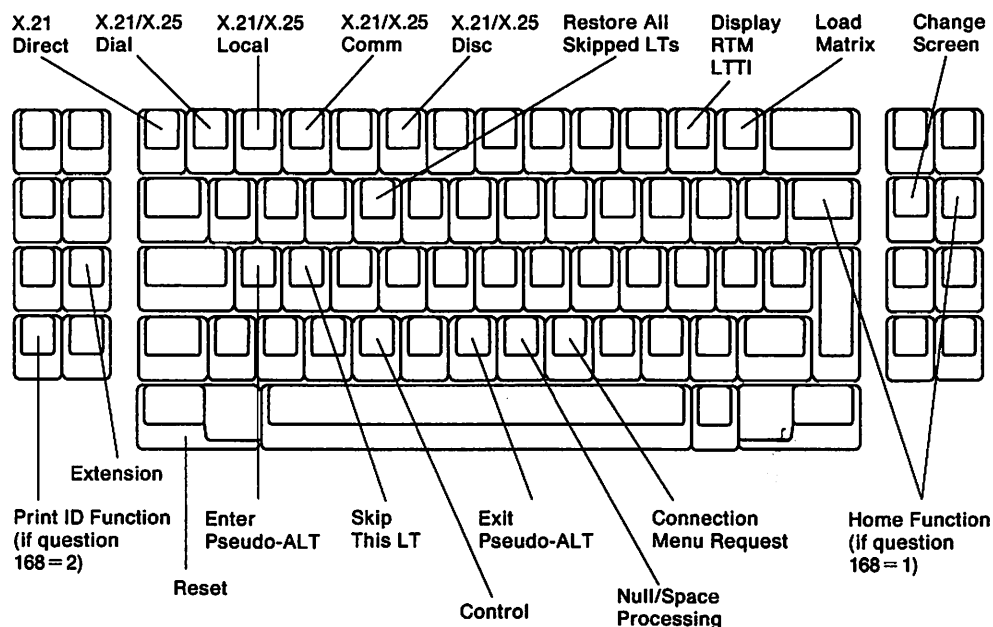
### Base Keyboard Layouts

The remainder of this chapter shows the Base keyboard layouts in the national languages supported by the 3174.

**Note:** For ASCII supported keyboards, refer to the *Terminal User's Reference for Expanded Functions*.

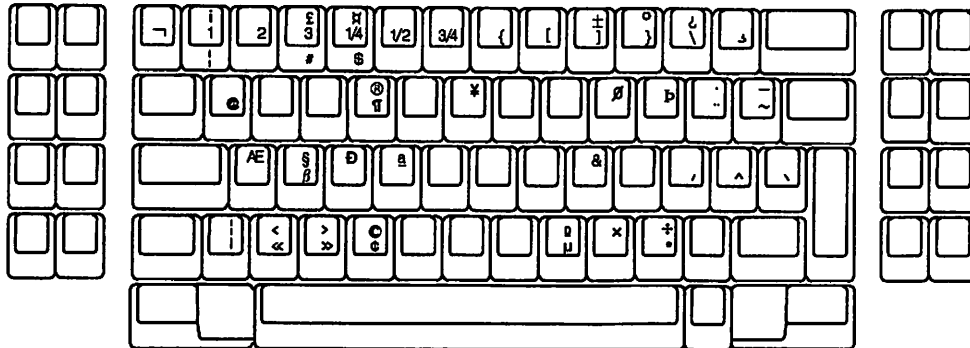
## Extension Functions

The following layout shows the functions that are enabled after invoking Extension/Extended Select mode. Descriptions of the functions are found in the *3174 Functional Description*.



## Extended Graphics Functions (ExGr)

The following layout shows the functions that are enabled after invoking Extended Graphics (ExGr) mode. A description is found in the 3174 *Functional Description*.



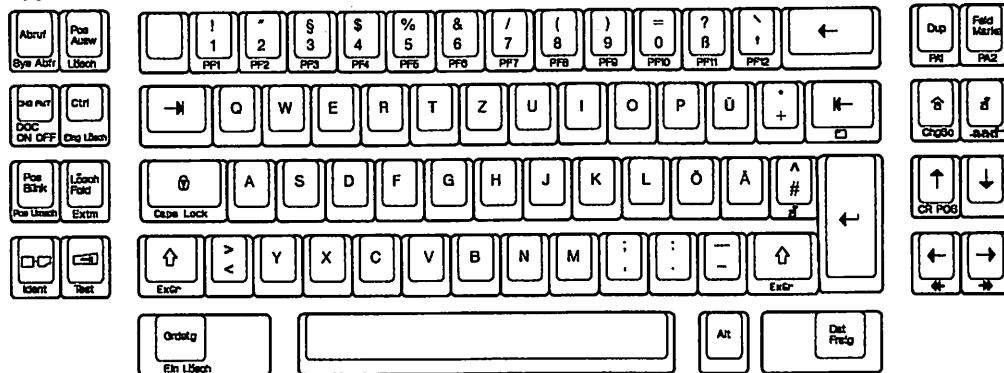
The following languages are supported for this function:

Austrian/German	Q121=03	Netherlands	Q121=47
Belgian (New)	Q121=43	Norwegian	Q121=23
Canadian Bilingual	Q121=29	Portuguese	Q121=28
Danish	Q121=07	Spanish	Q121=19
English (U.K.)	Q121=22	Spanish-Speaking	Q121=21
English (U.S.A.)	Q121=01	Swedish	Q121=24
Finnish	Q121=09	Swiss-French (New)	Q121=41
French	Q121=30	Swiss-German (New)	Q121=42
Italian	Q121=15		

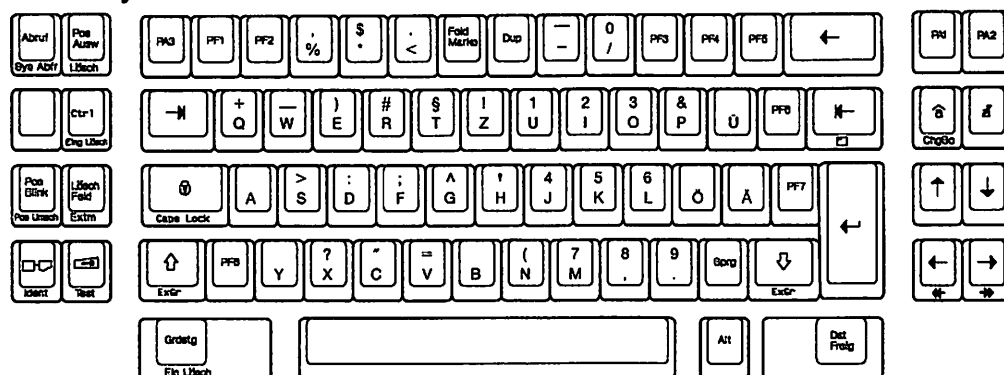
# Austrian/German

(Q121 = 03)

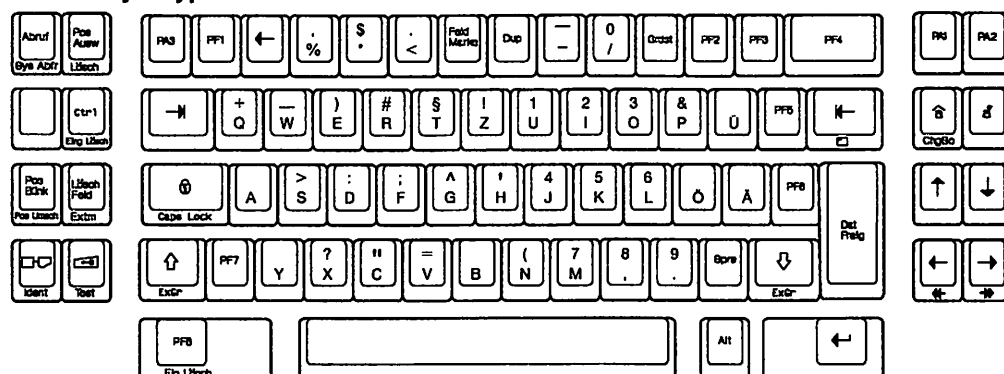
## Typewriter



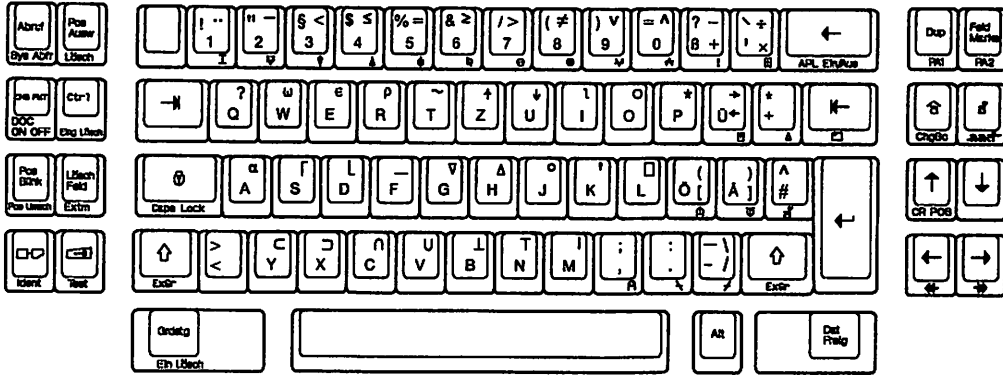
## Data Entry



## Data Entry Keypunch



APL

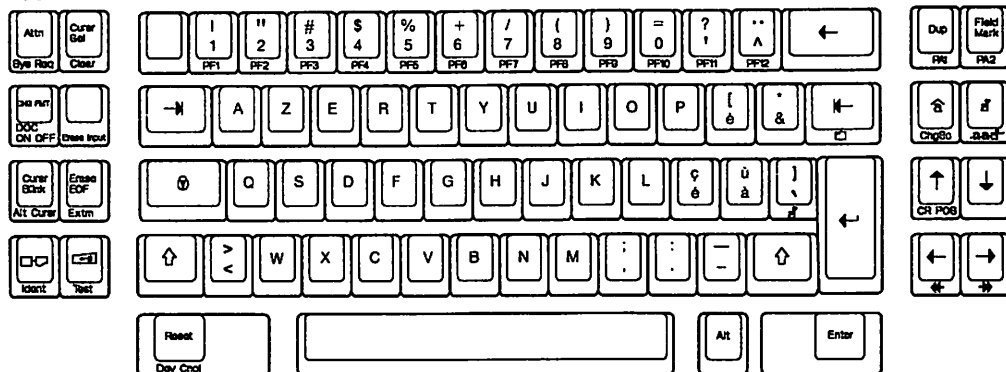




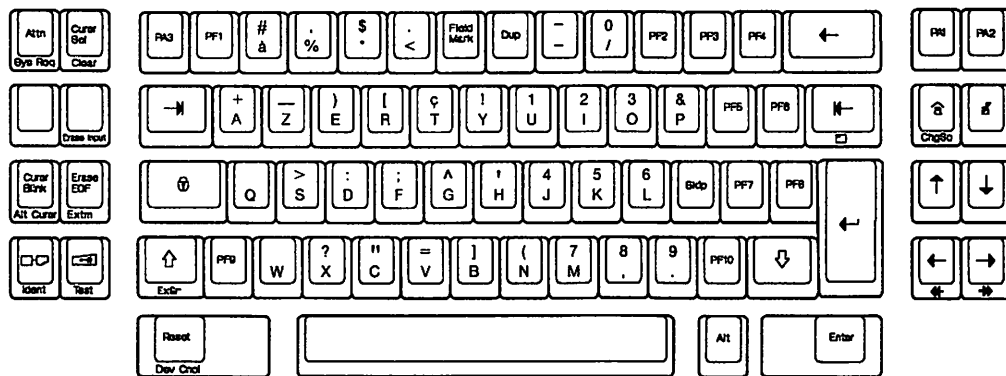
# Belgian

(Q121 = 04)

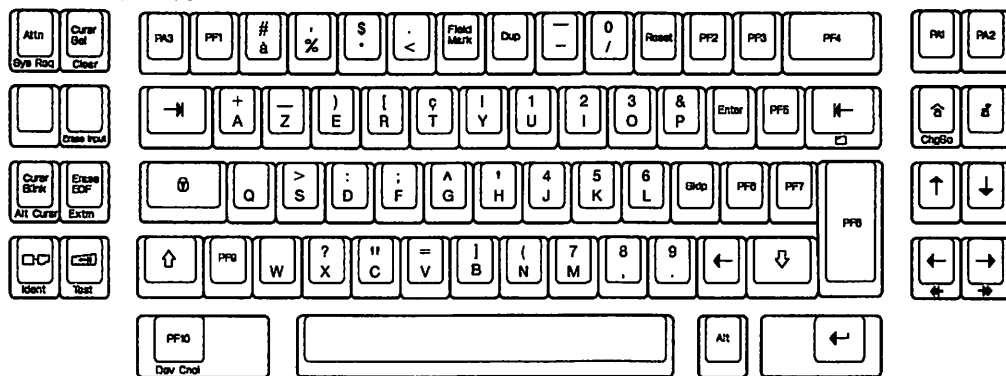
## Typewriter



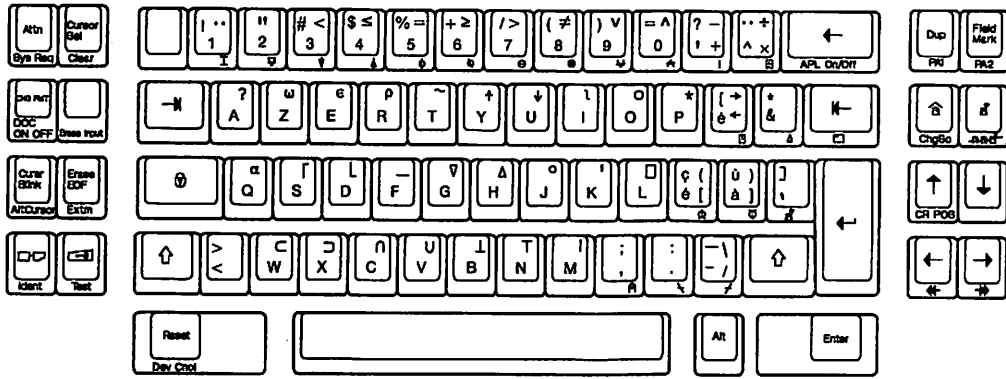
## Data Entry



## Data Entry Keypunch



APL

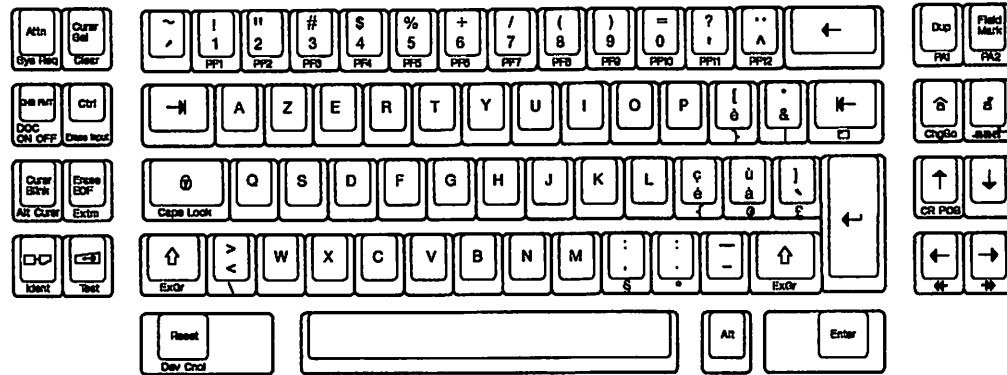


# Belgian (New)

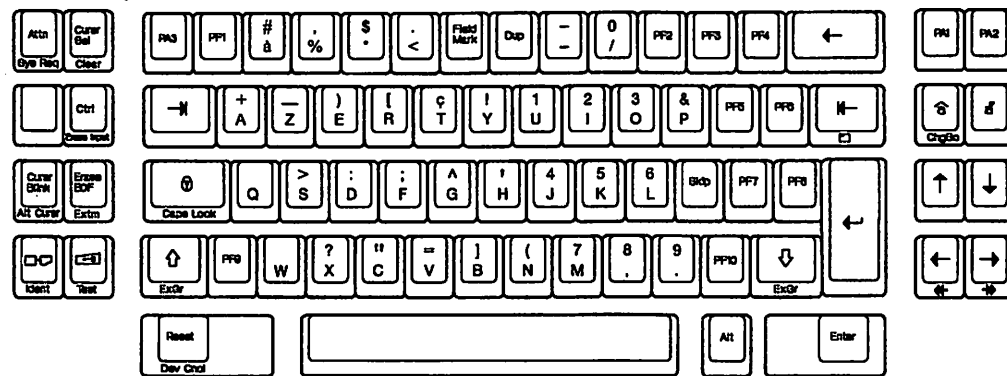
## Belgian (New)

(Q121 = 43)

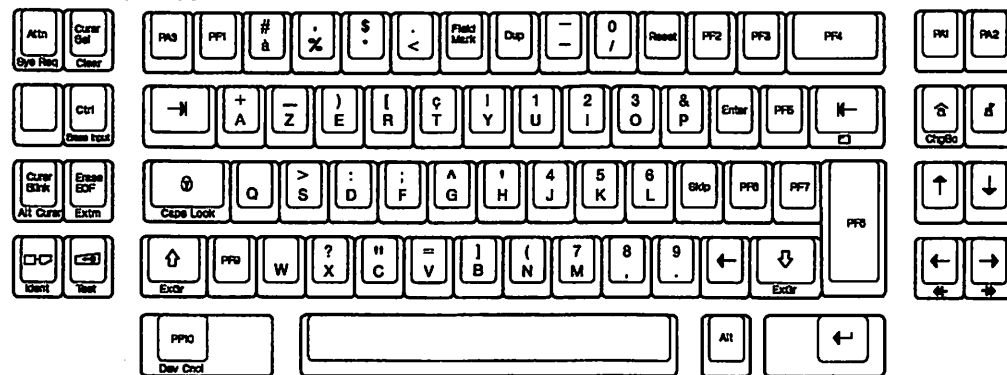
### Typewriter



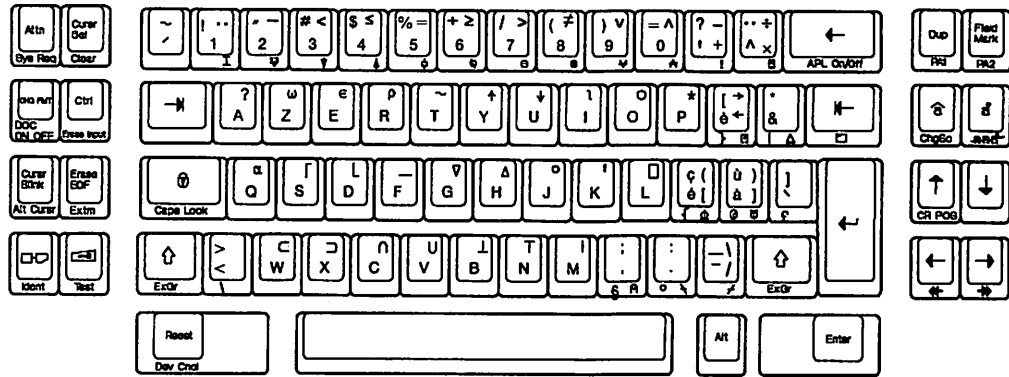
### Data Entry



### Data Entry Keypunch



APL

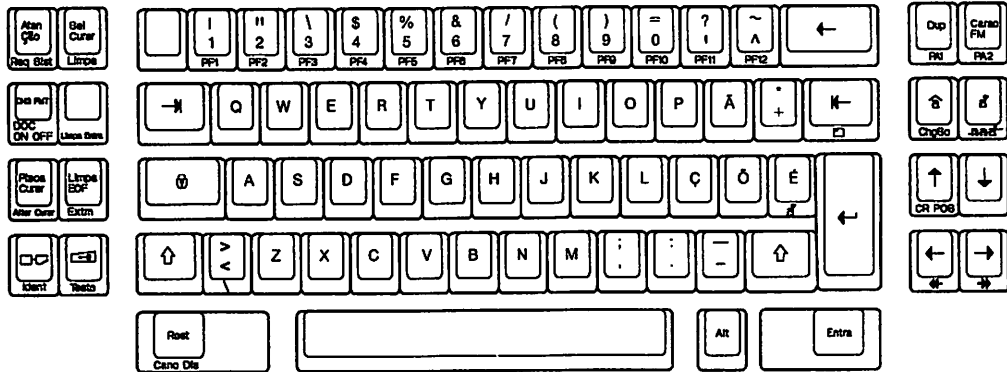


# Brazilian

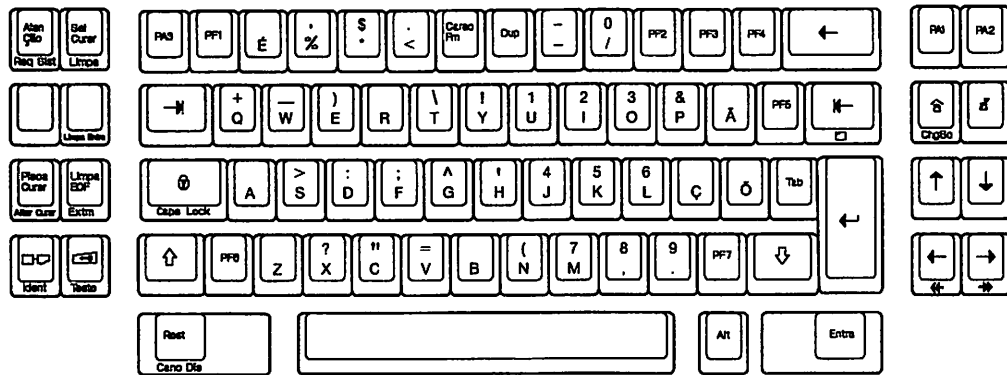
## Brazilian

(Q121 = 05)

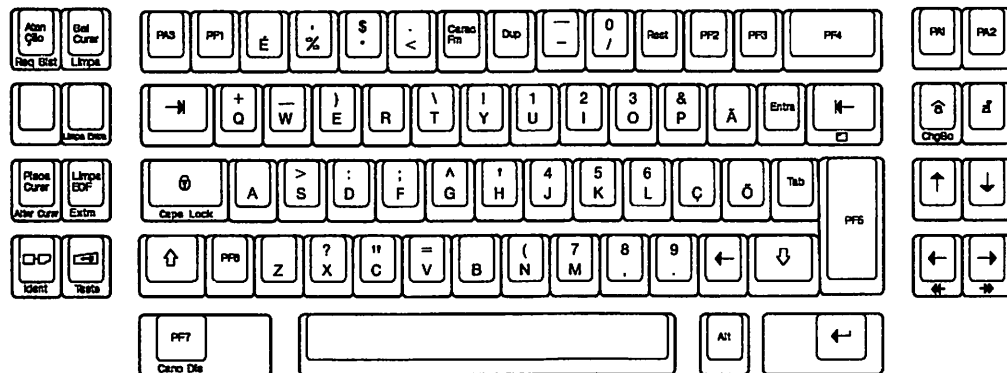
### Typewriter



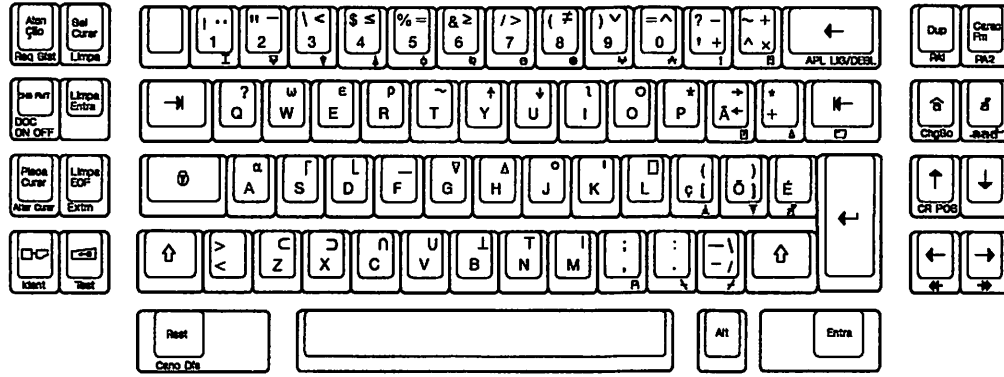
### Data Entry



### Data Entry Keypunch



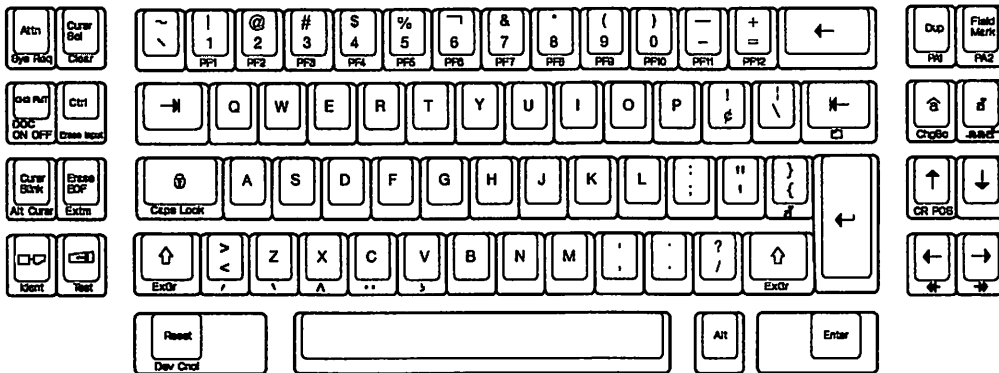
APL



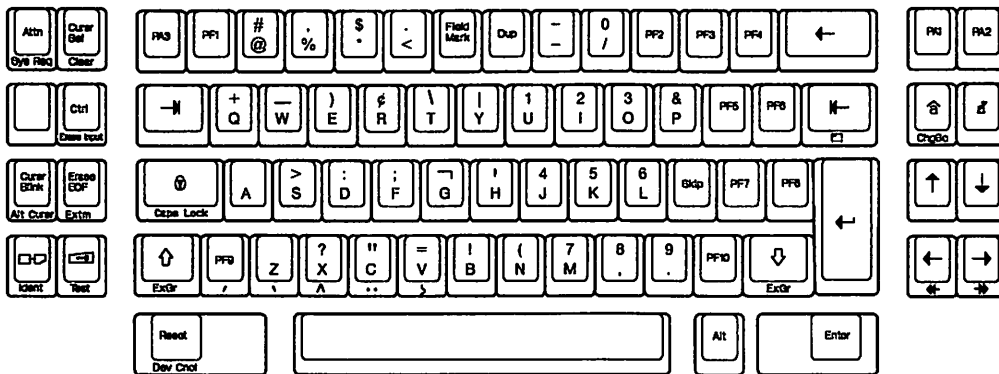
# Canadian Bilingual

(Q121 = 29)

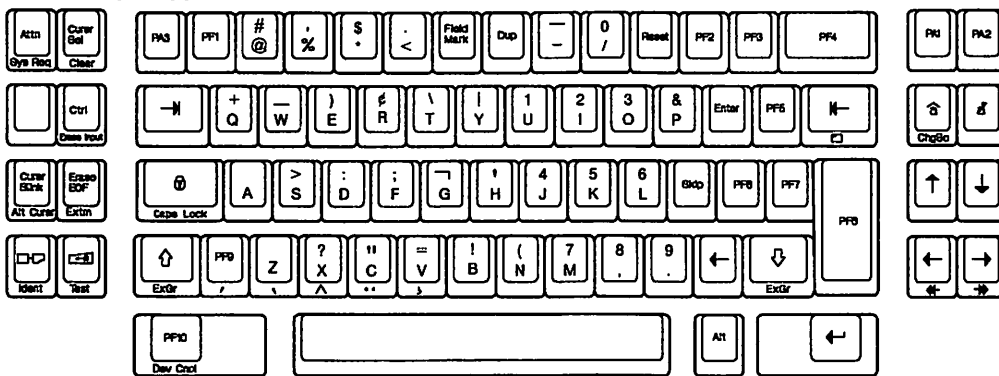
## Typewriter



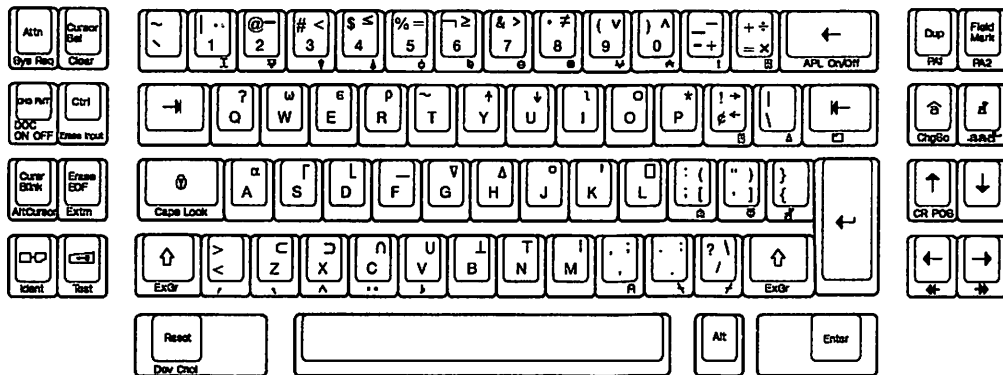
## Data Entry



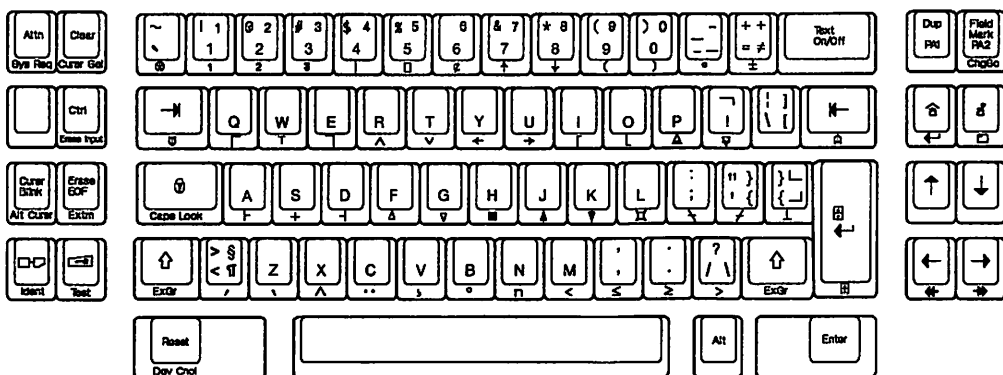
## Data Entry Keypunch



APL



Text

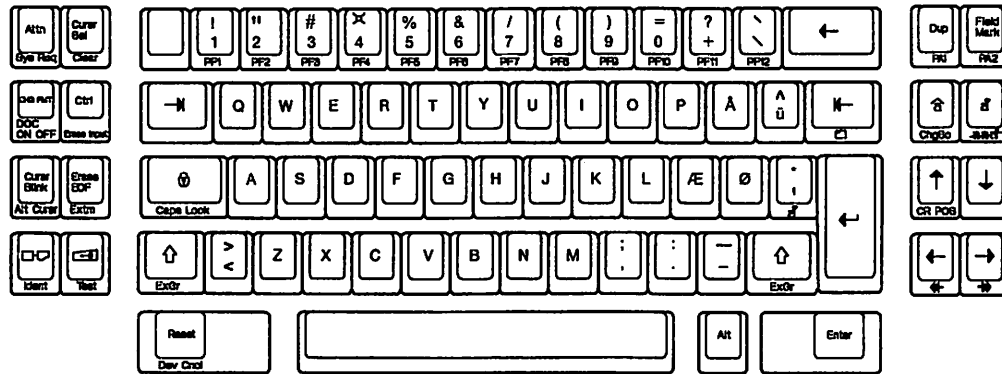




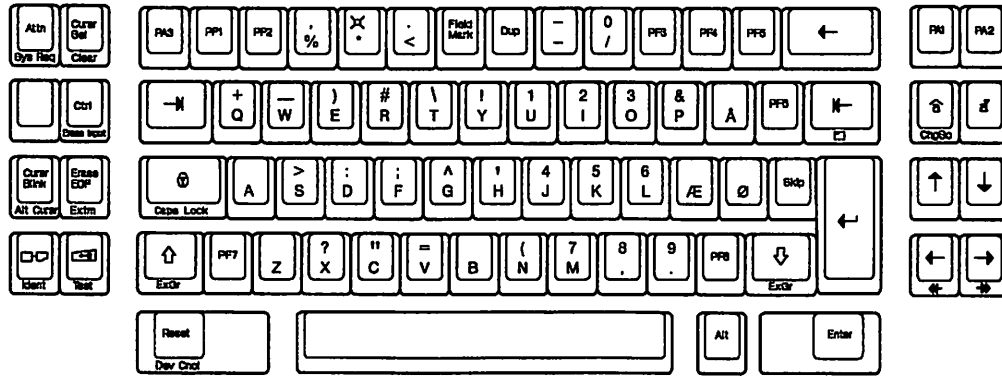
# Danish

(Q121 = 07)

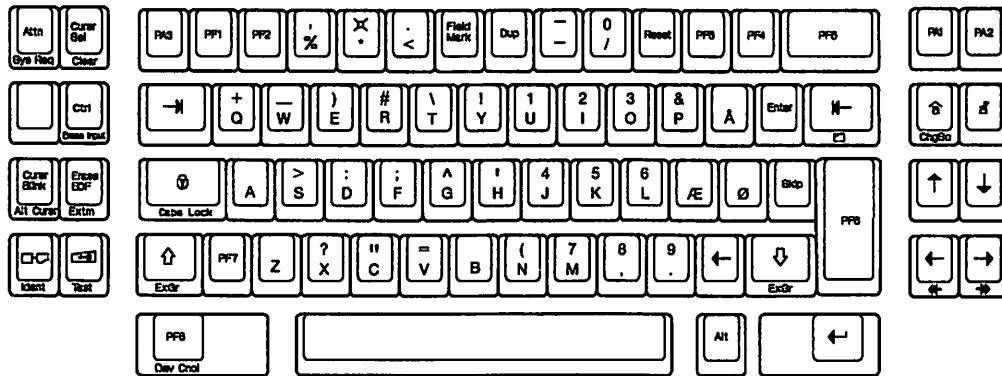
## Typewriter



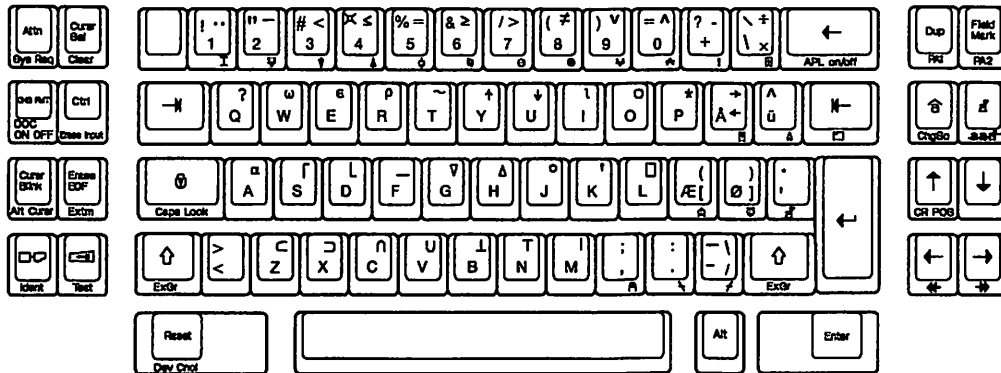
## Data Entry



## Data Entry Key Punch



APL

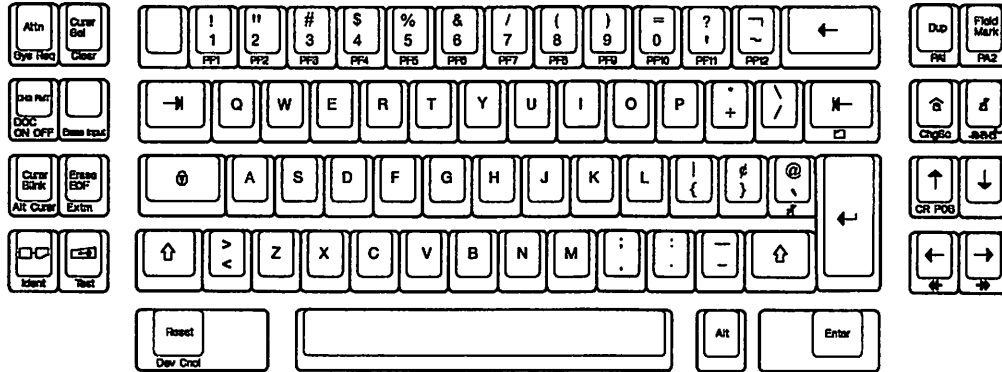


# EBCDIC (WT)

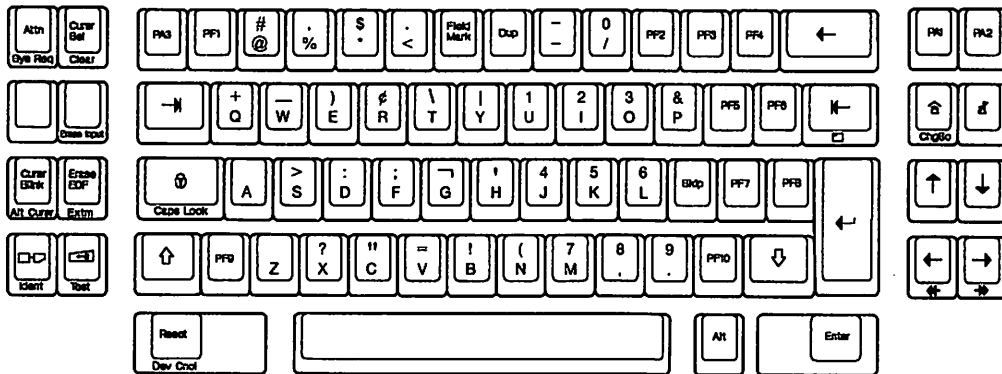
## EBCDIC (WT)

(Q121 = 25)

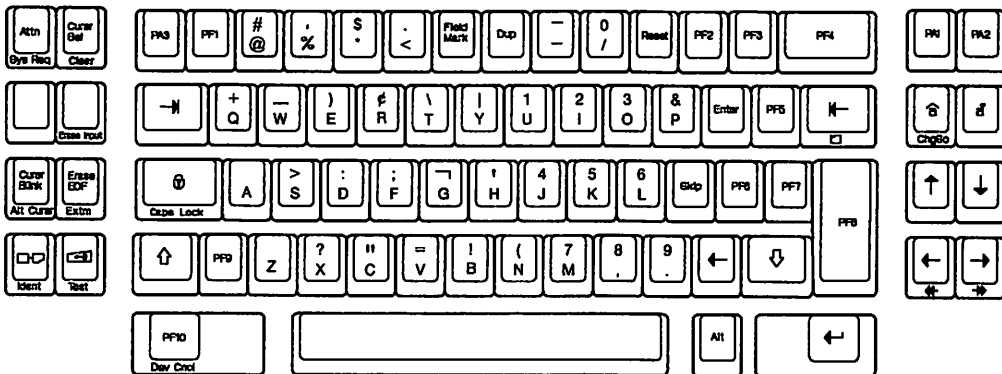
### Typewriter



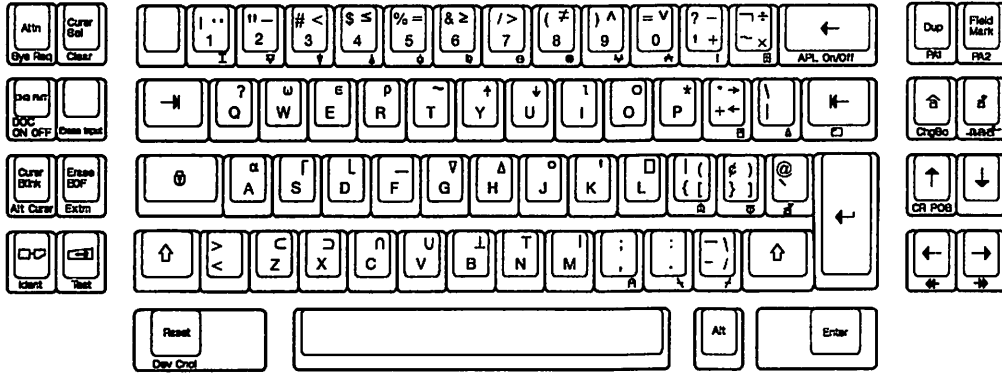
### Data Entry



### Data Entry Keypunch



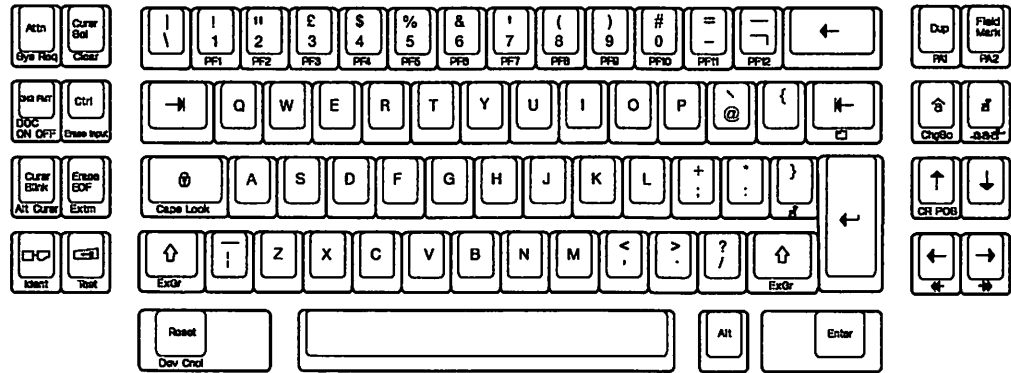
APL



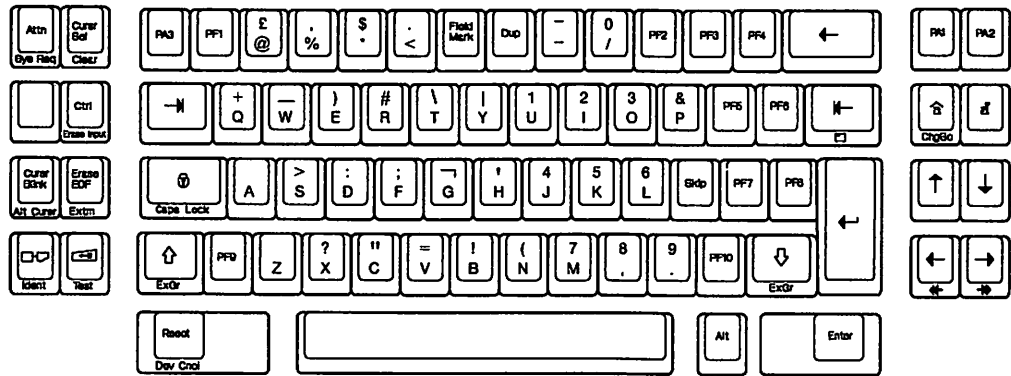
## English (U.K.)

(Q121 = 22)

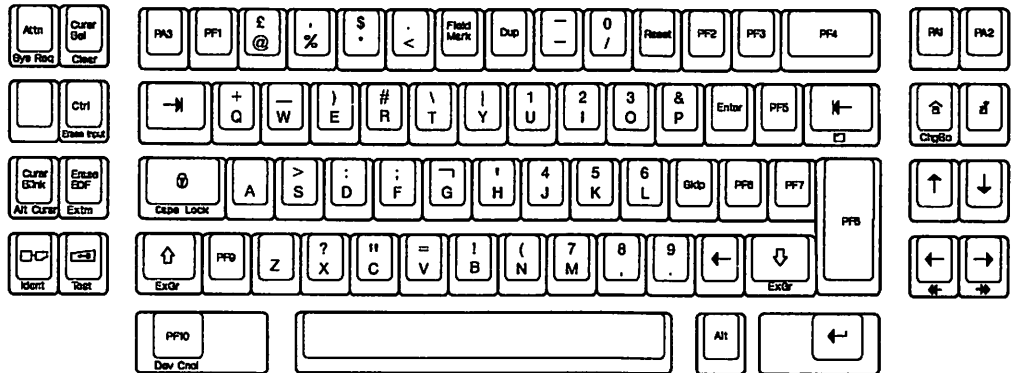
### Typewriter



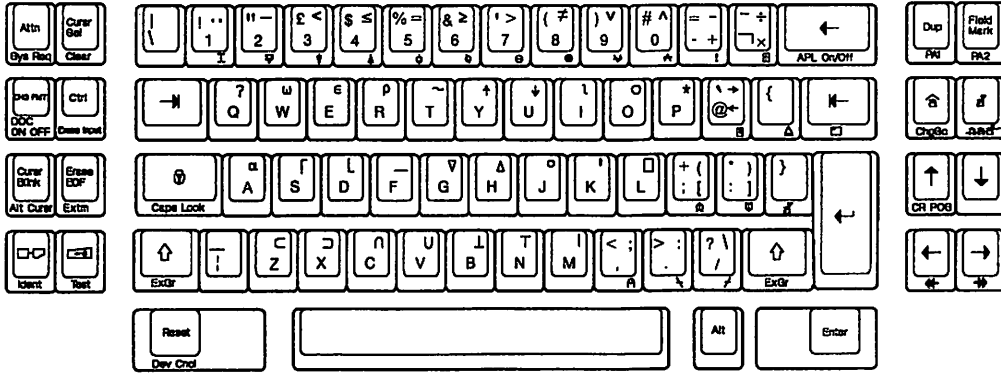
### Data Entry



### Data Entry Keypunch



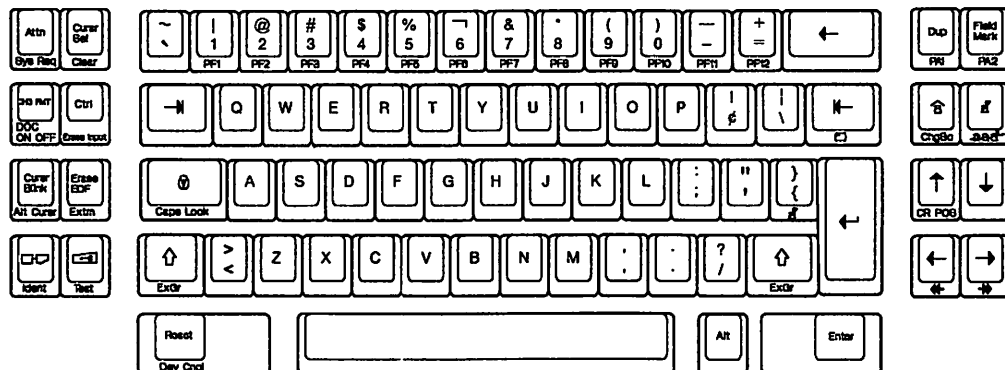
APL



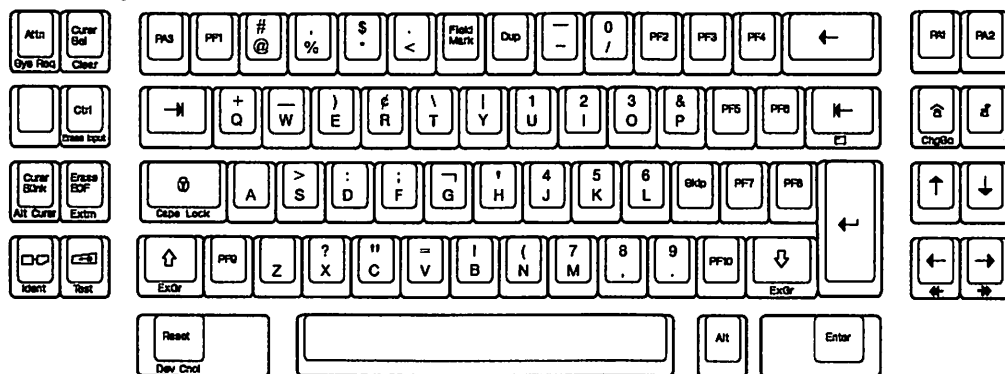
## English (U.S.A.)

(Q121 = 01)

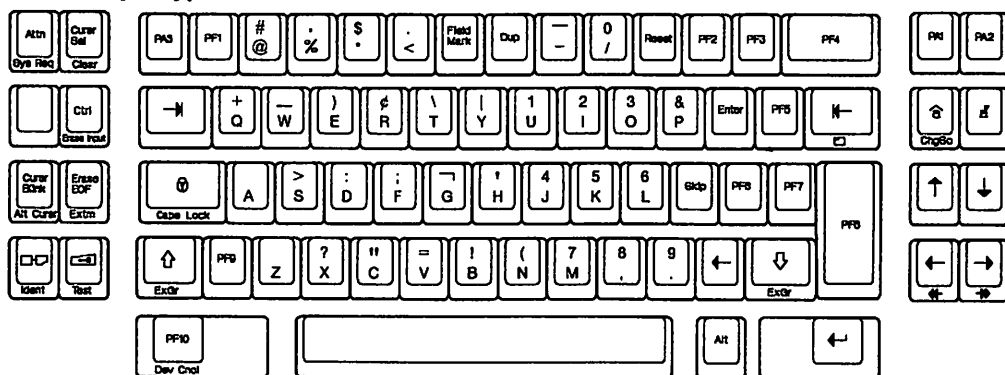
### Typewriter



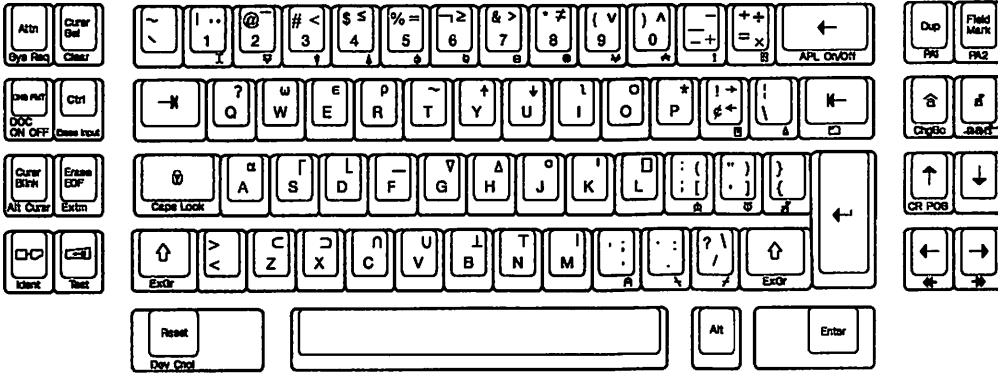
### Data Entry



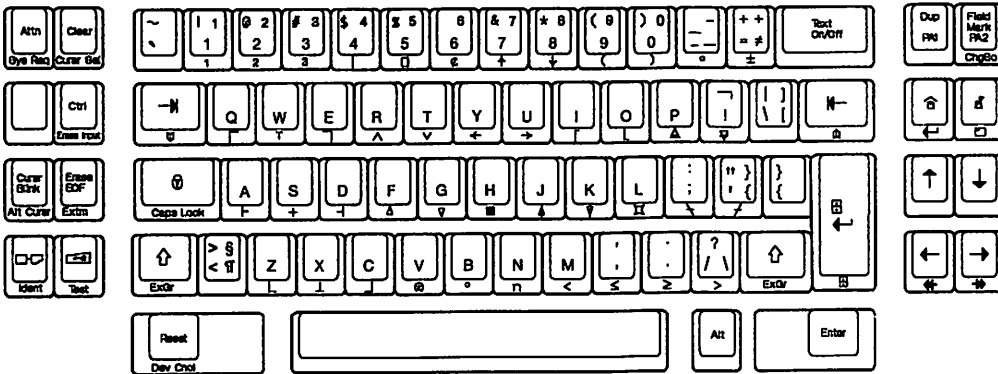
### Data Entry Keypunch



**APL**



**Text**

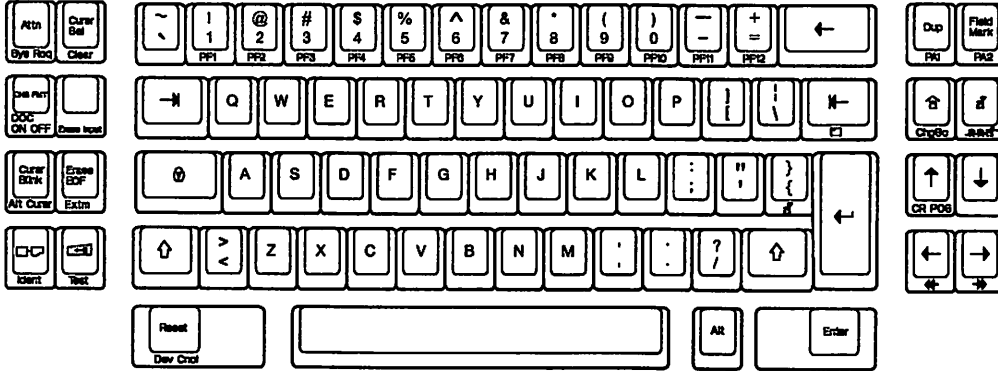




English (U.S.A.) ASCII-International, ASCII-8

(Q121 = 33, 34)

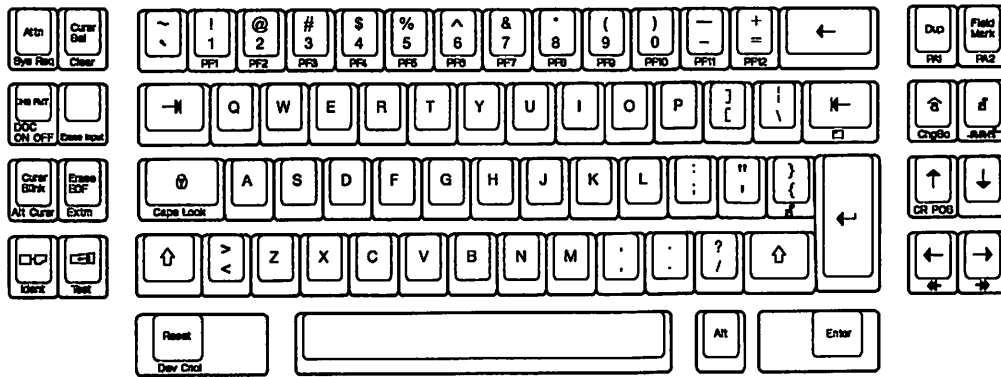
Typewriter



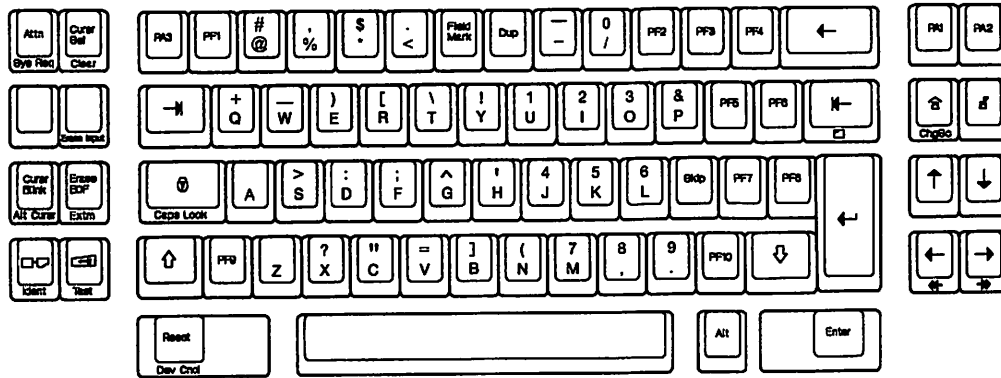
## English (U.S.A.) ASCII-7

(Q121 = 02)

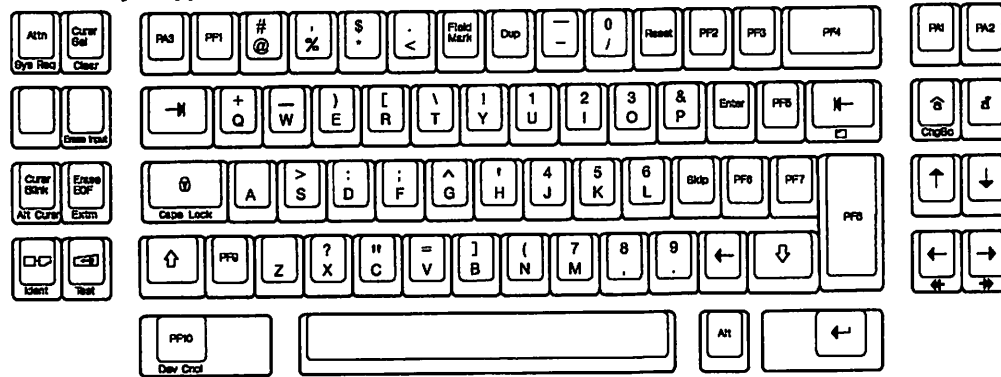
### Typewriter



### Data Entry

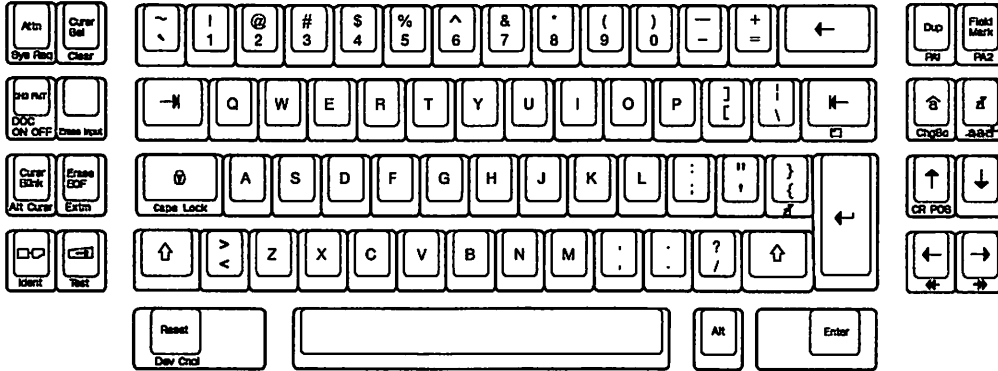


### Data Entry Keypunch

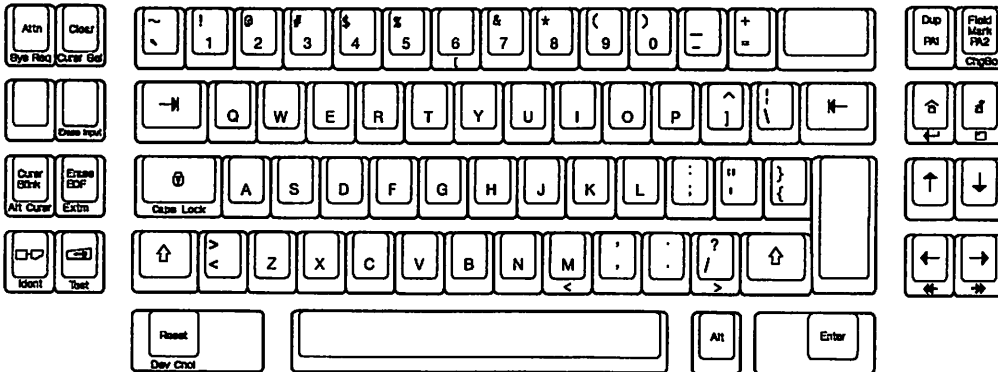


# English (U.S.A.) ASCII-7

## APL



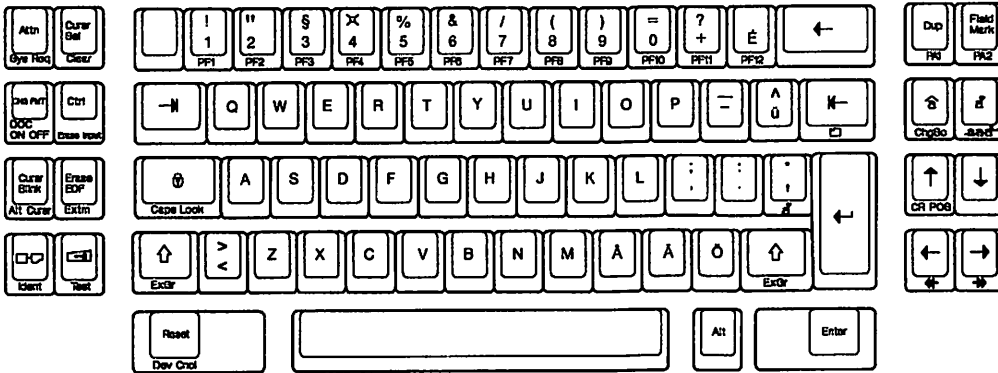
## Text



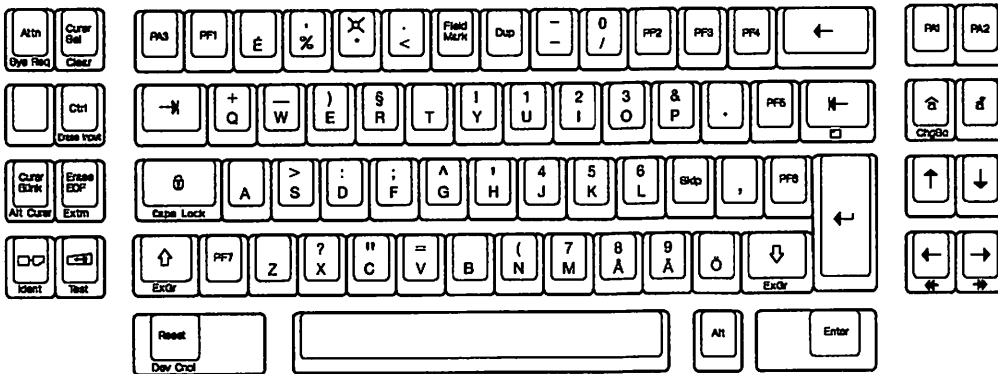
# Finnish

(Q121 = 09)

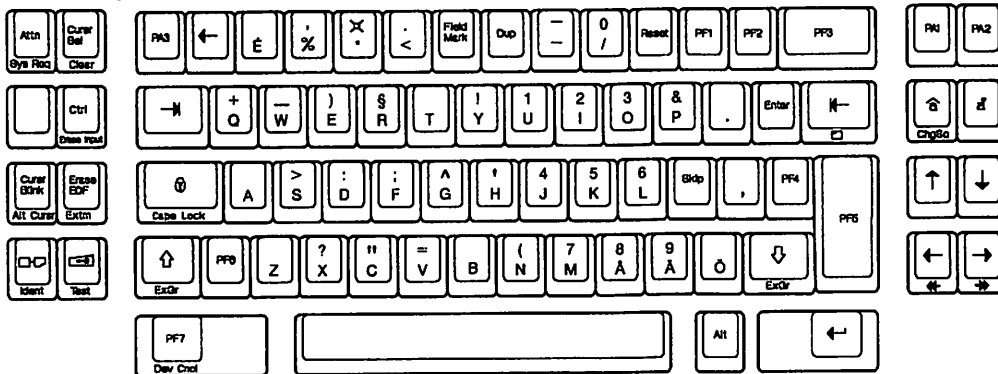
## Typewriter



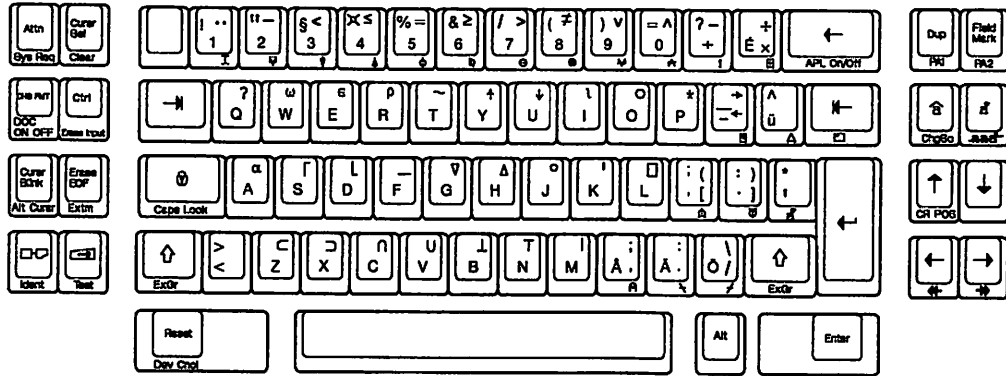
## Data Entry



## Data Entry Keypunch



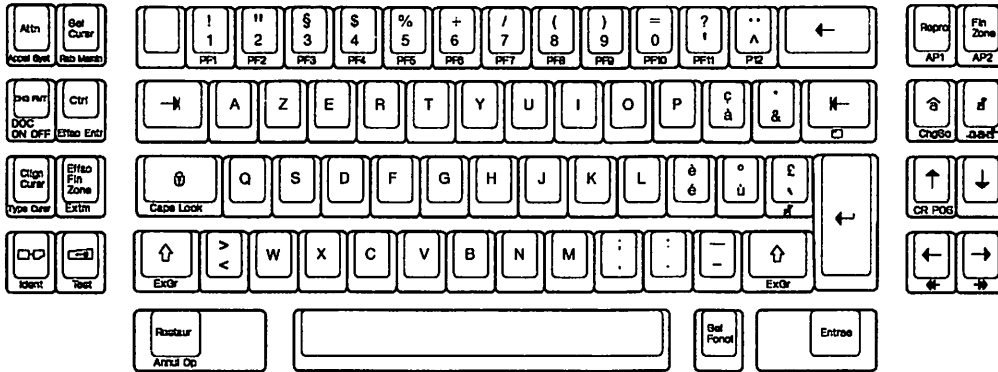
APL



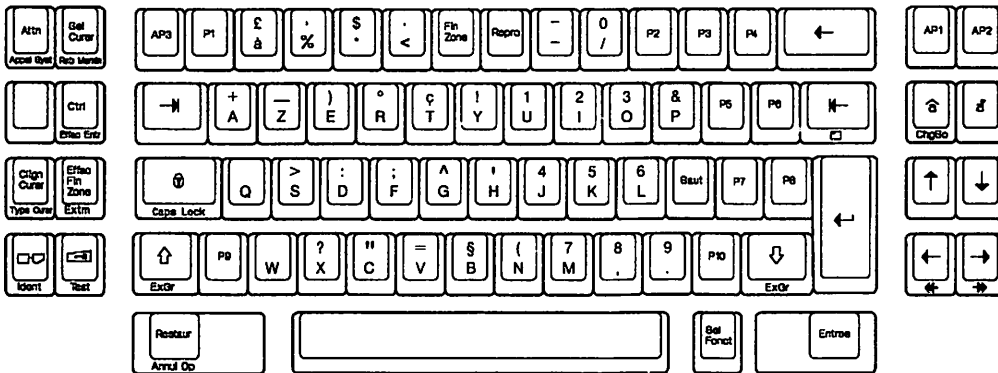
# French

(Q121 = 30)

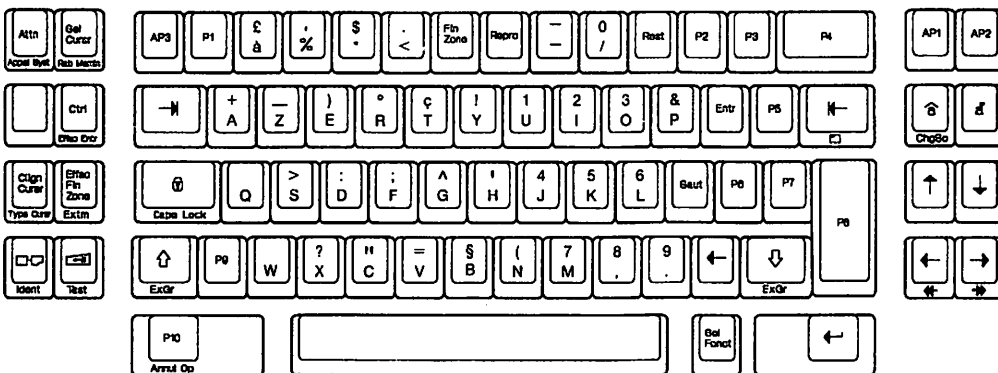
## Typewriter



## Data Entry

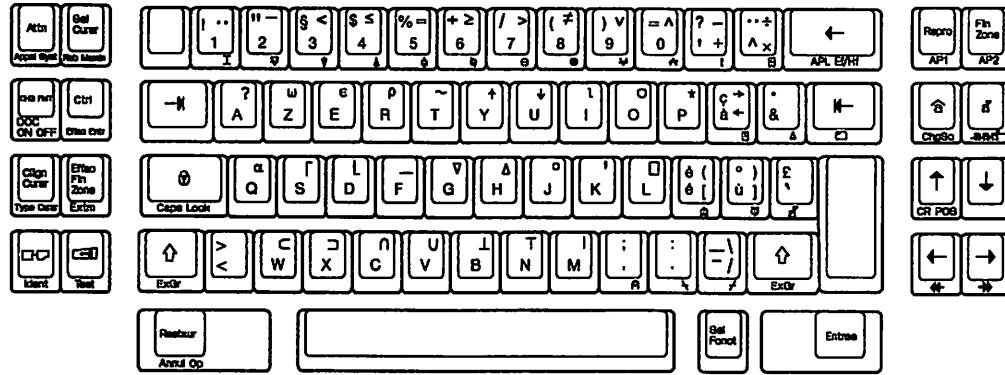


## Data Entry Keyunch



# French

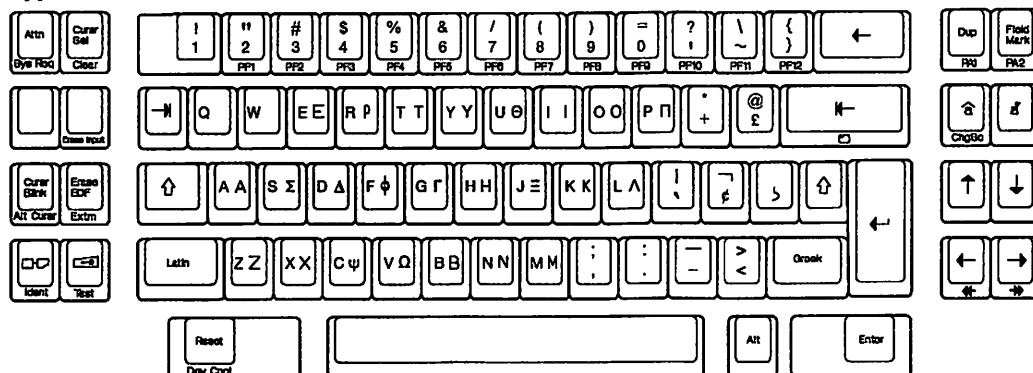
## APL



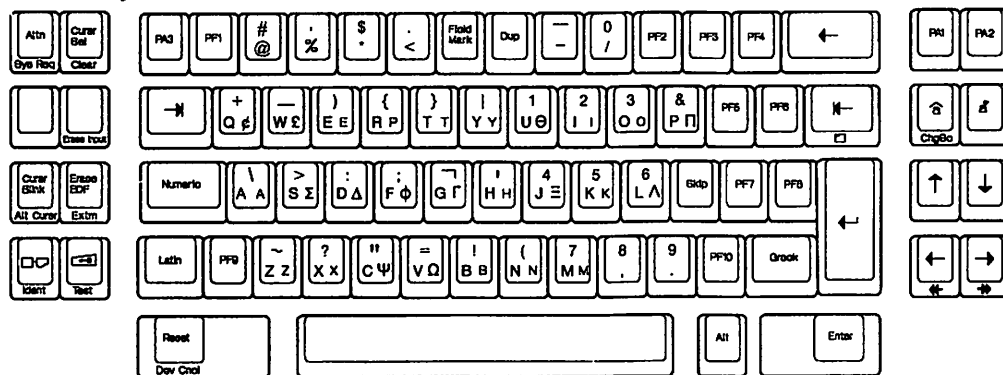
# Greek

(Q121 = 36)

## Typewriter



## Data Entry

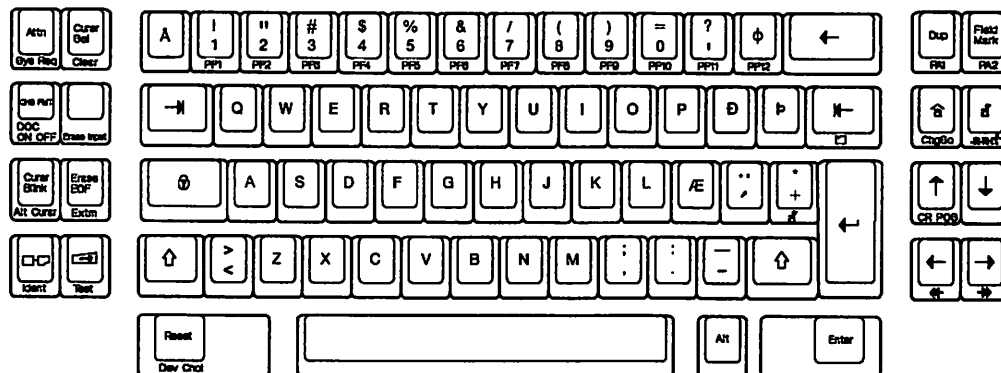




# Icelandic

(Q121 = 37)

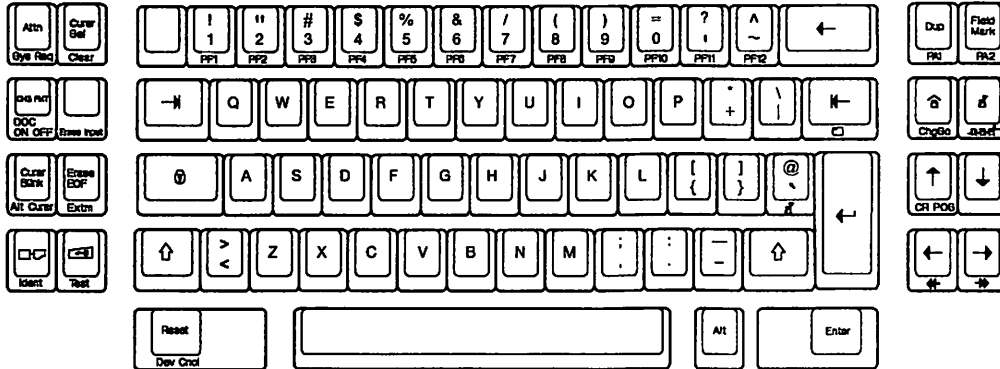
## Typewriter



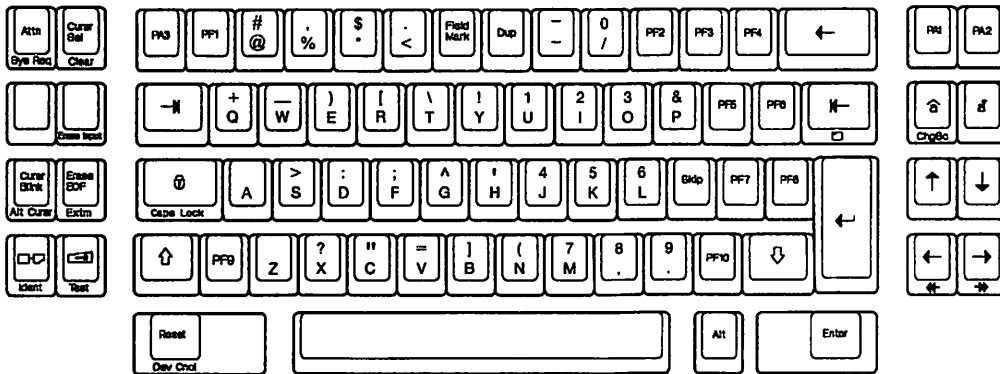
# International

(Q121 = 14)

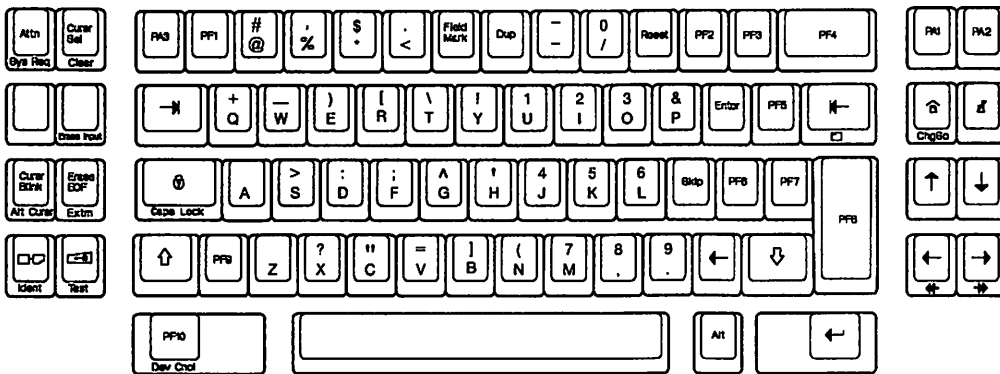
## Typewriter



## Data Entry

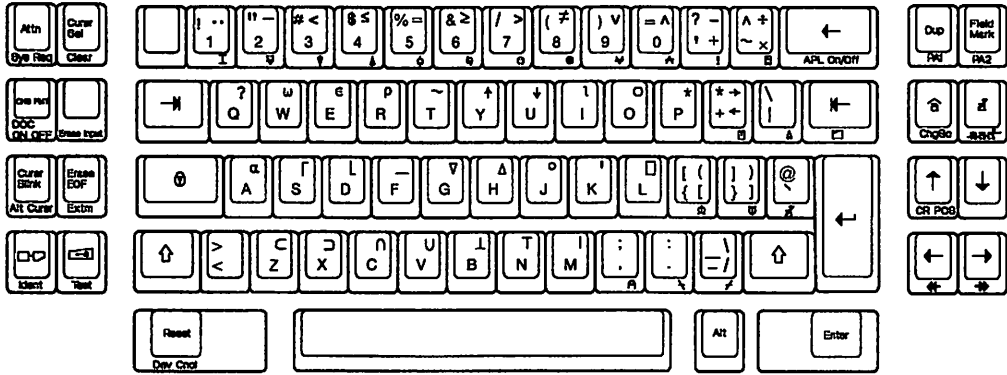


## Data Entry Keypunch



# International

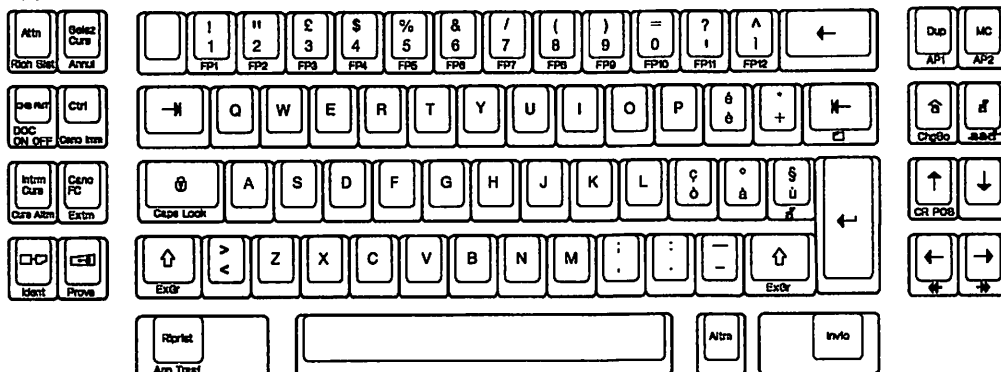
## APL



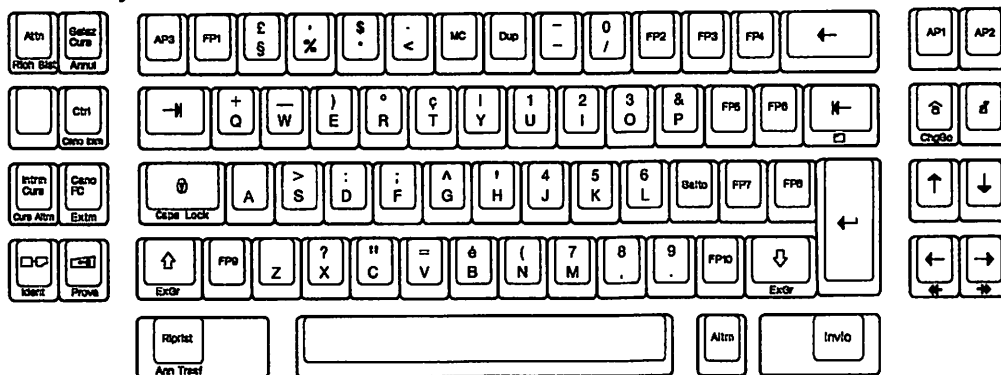
# Italian

(Q121 = 15)

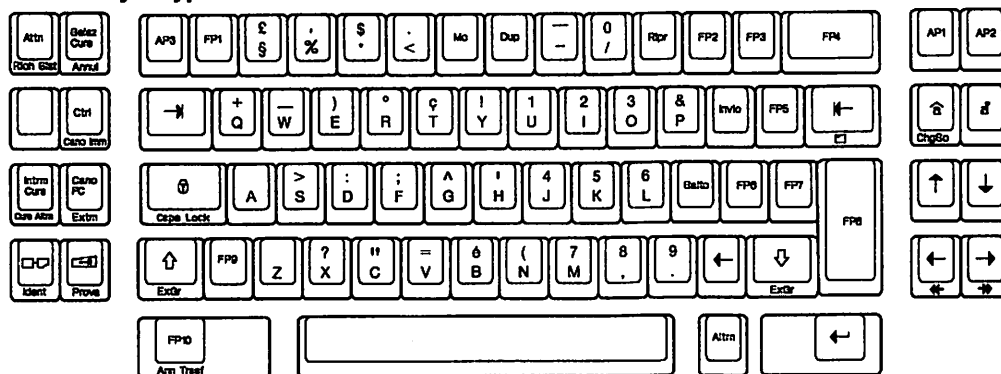
## Typewriter



## Data Entry

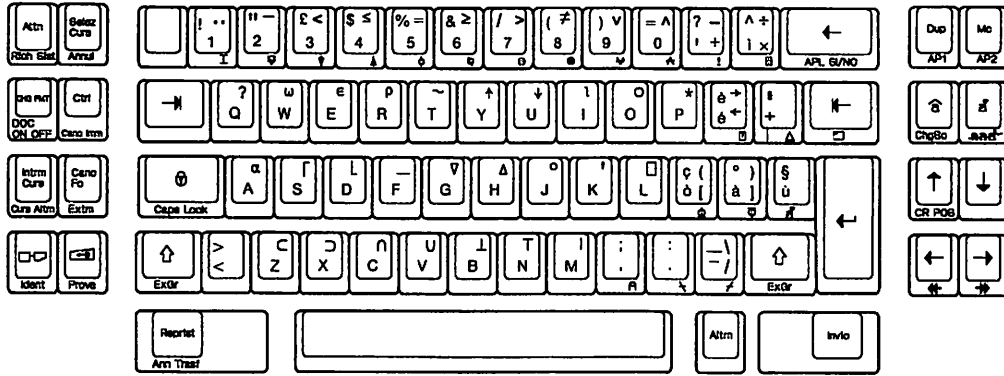


## Data Entry Keypunch



# Italian

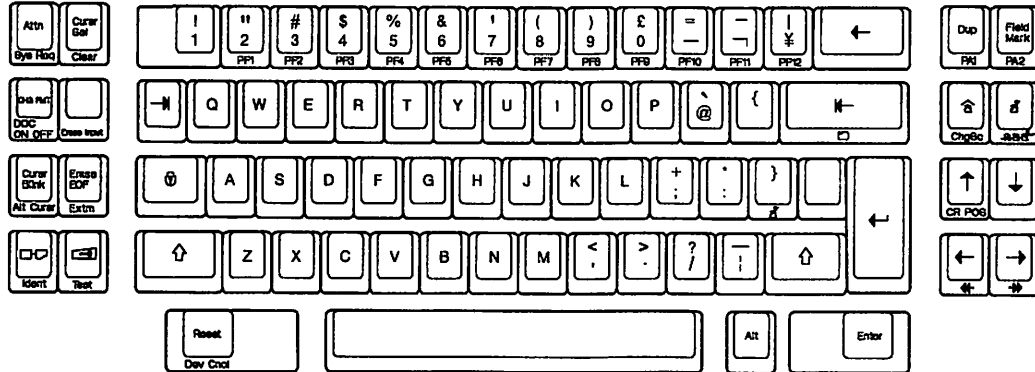
## APL



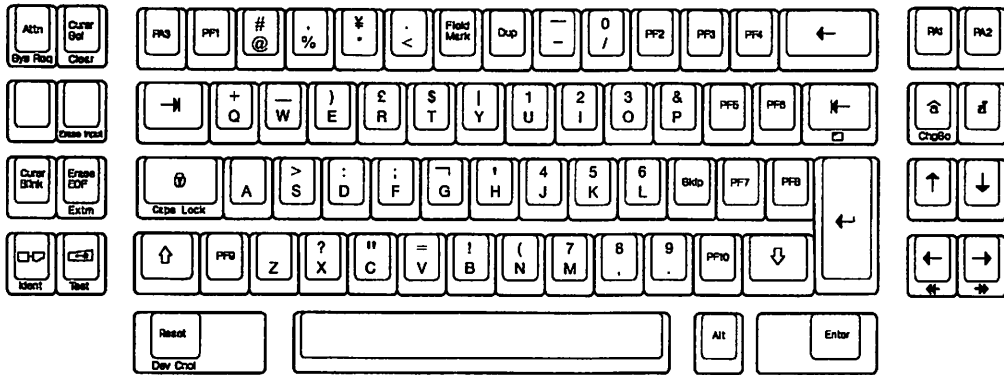
# Japanese English

(Q121 = 16)

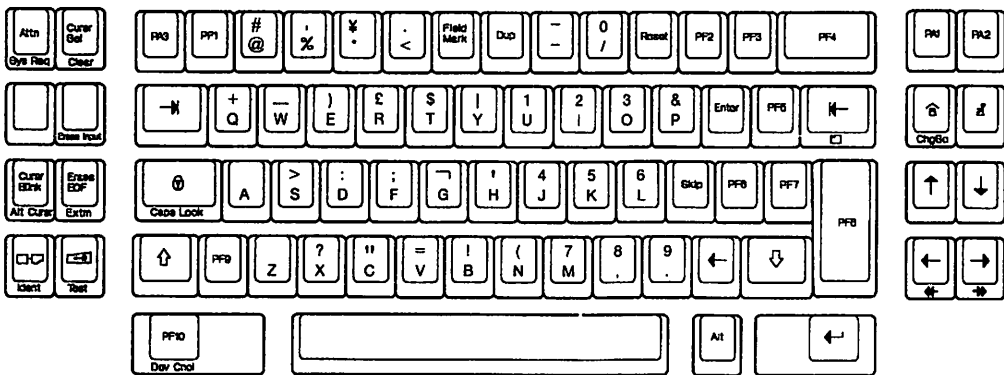
## Typewriter



## Data Entry

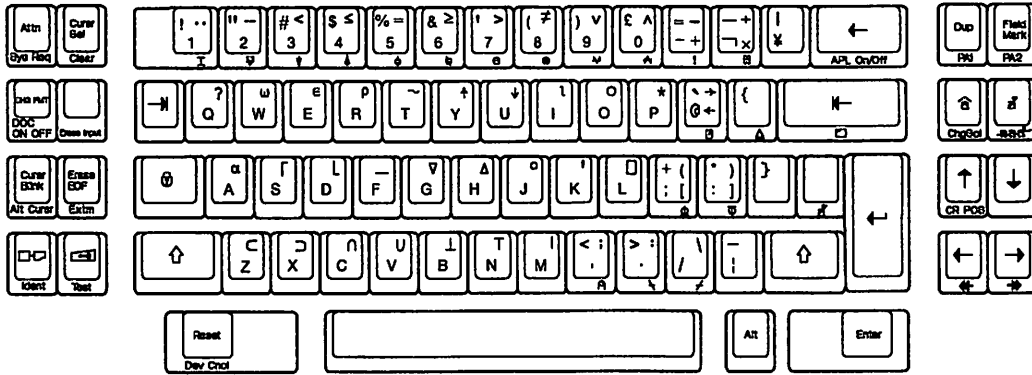


## Data Entry Keypunch



# Japanese English

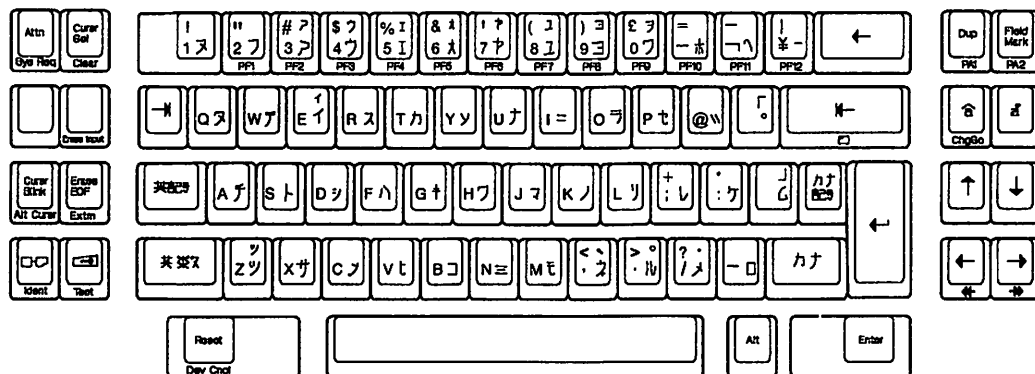
## APL



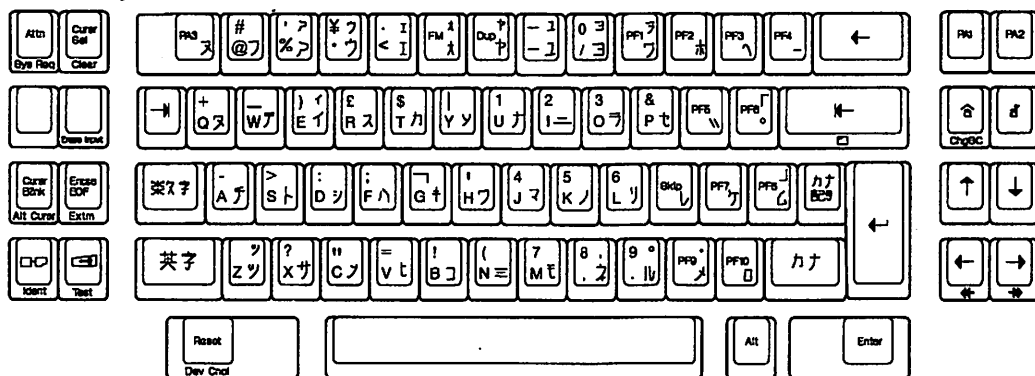
# Japanese Katakana

(Q121 = 17)

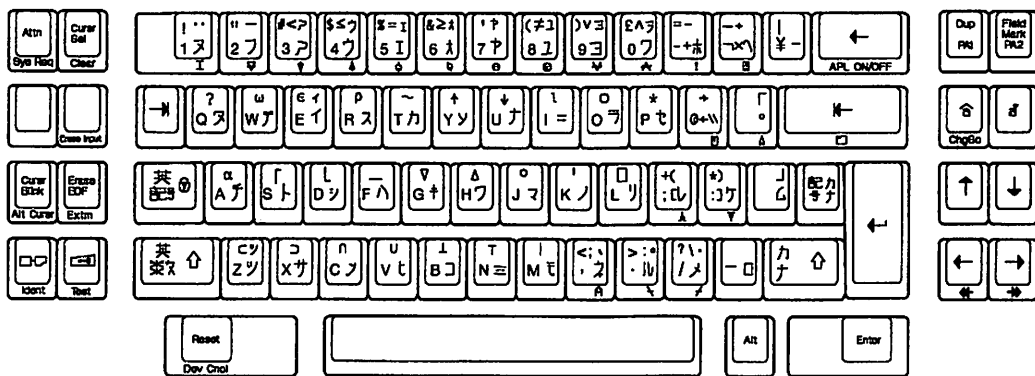
## Typewriter



## Data Entry



## APL



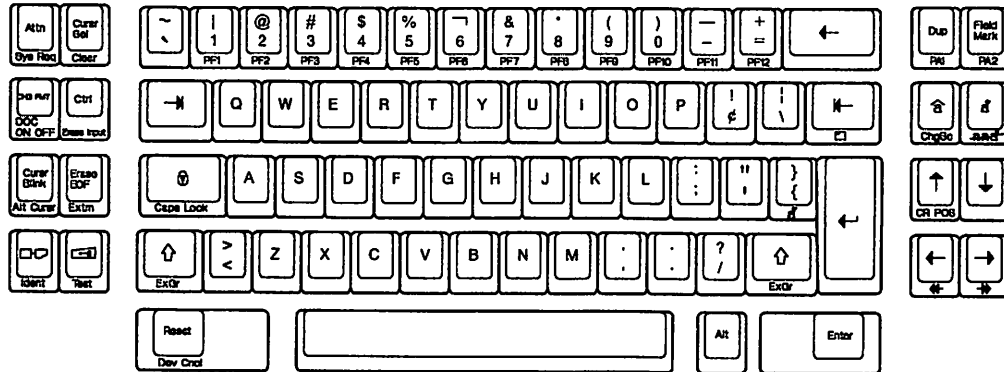


# Netherlands

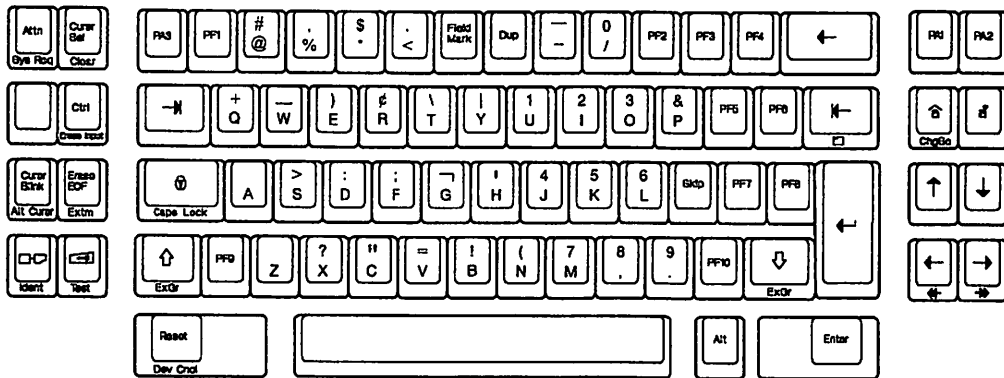
## Netherlands

(Q121 = 47)

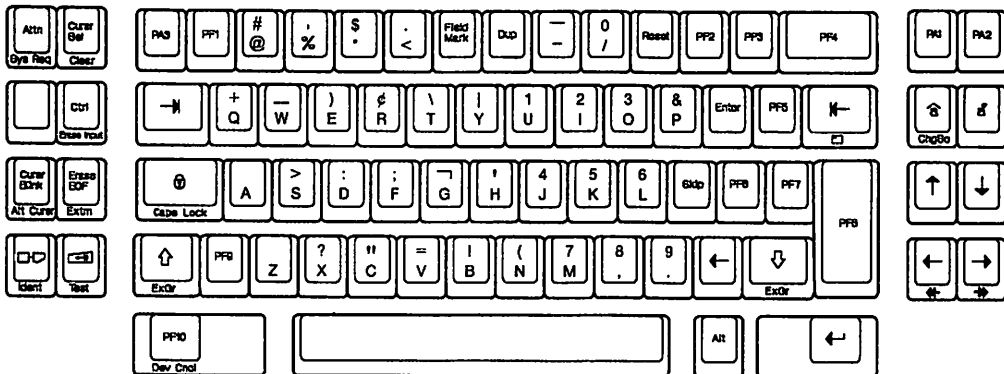
### Typewriter



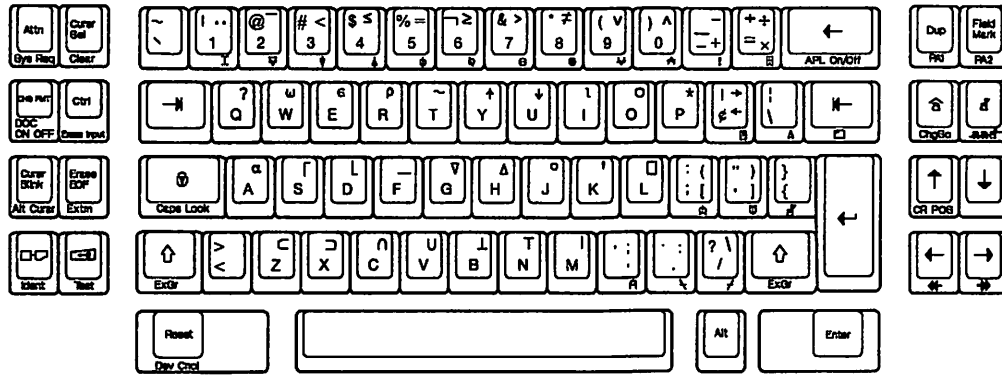
### Data Entry



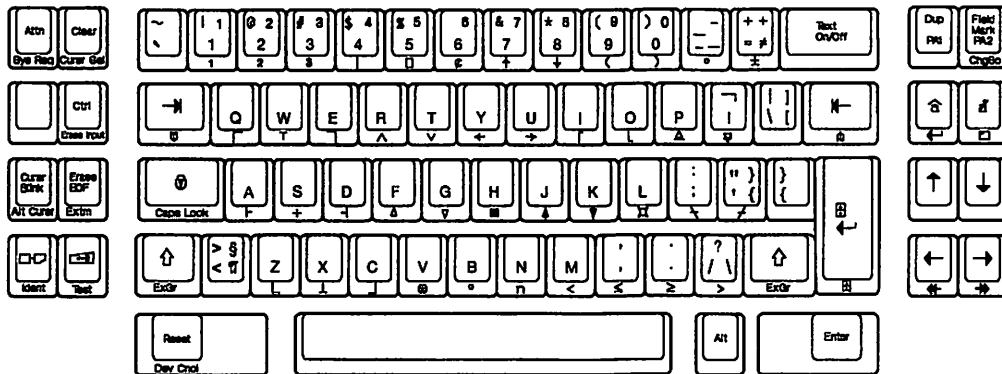
### Data Entry Keypunch



APL



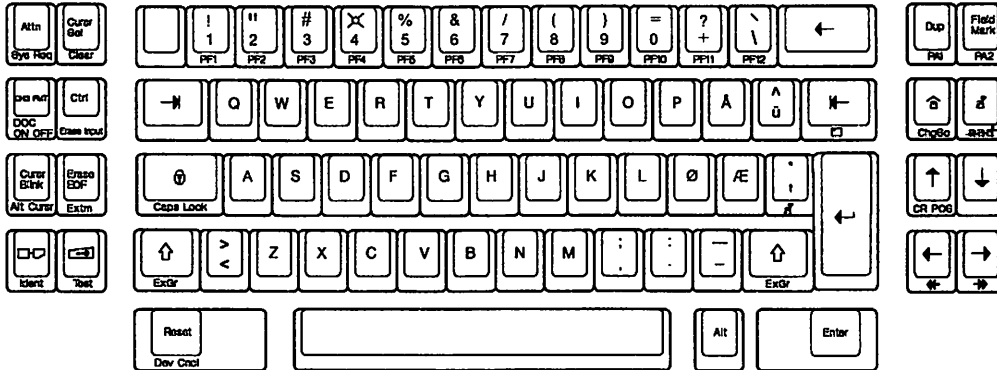
Text



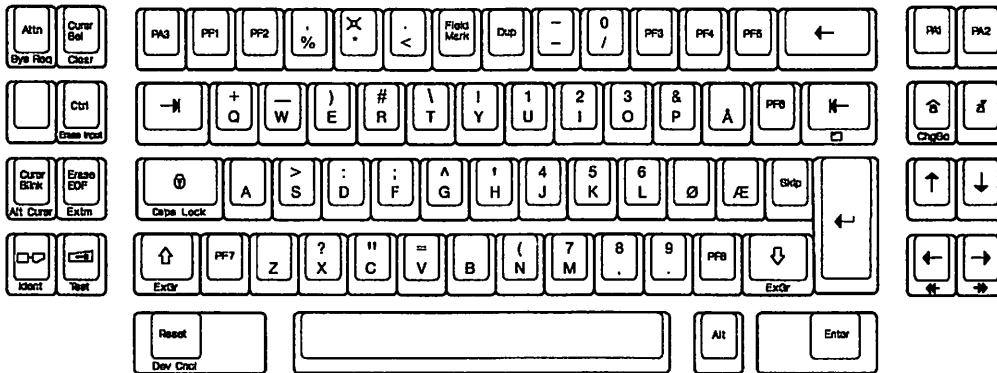
# Norwegian

(Q121 = 23)

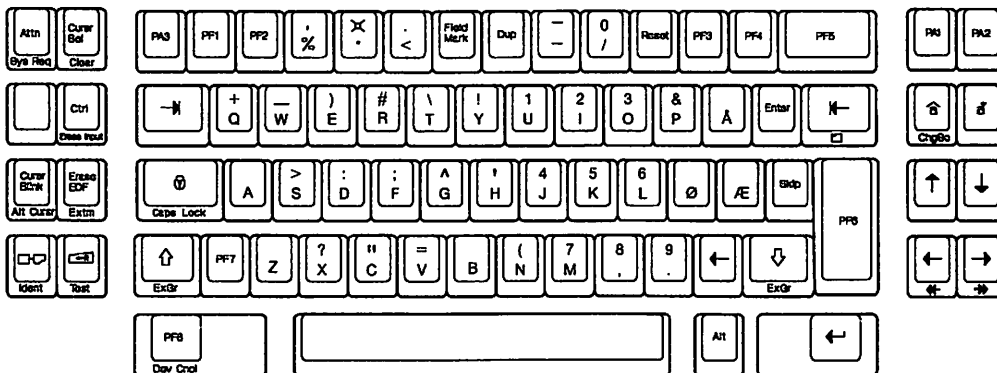
## Typewriter



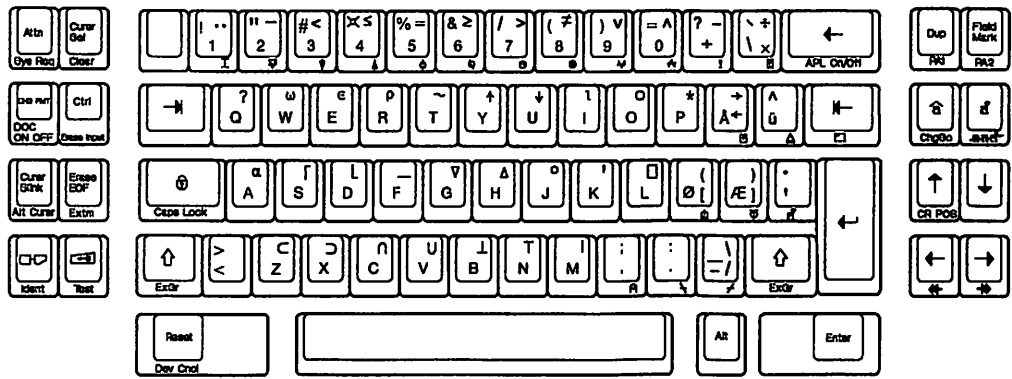
## Data Entry



## Data Entry Keypunch



APL

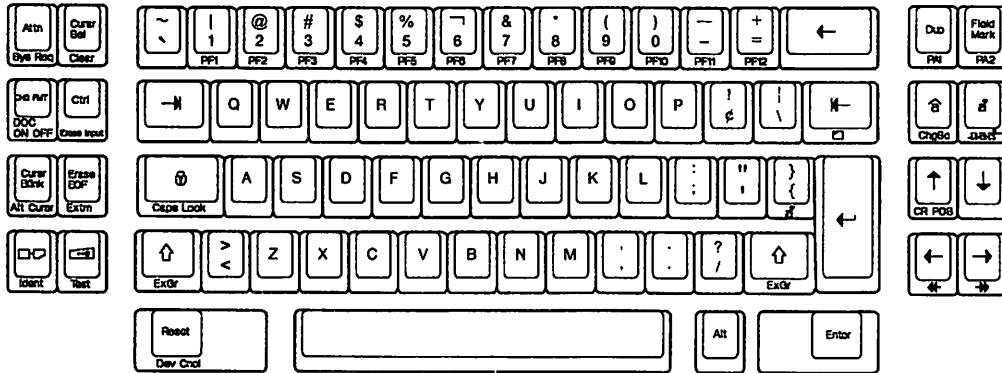


# Portuguese

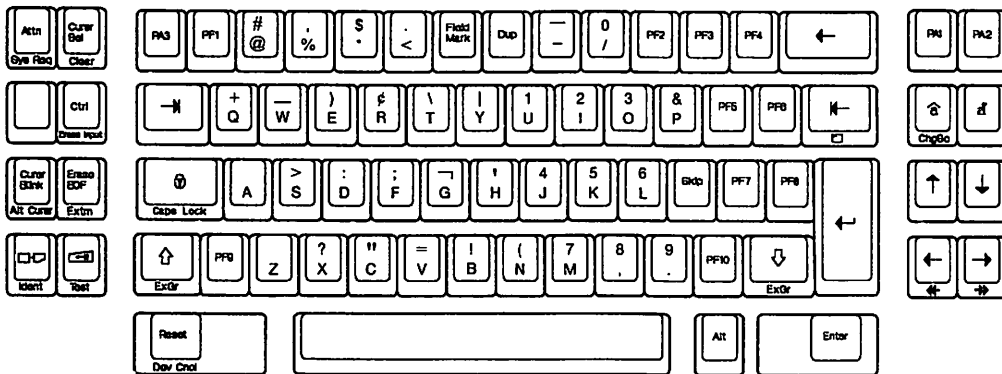
## Portuguese

(Q121 = 28)

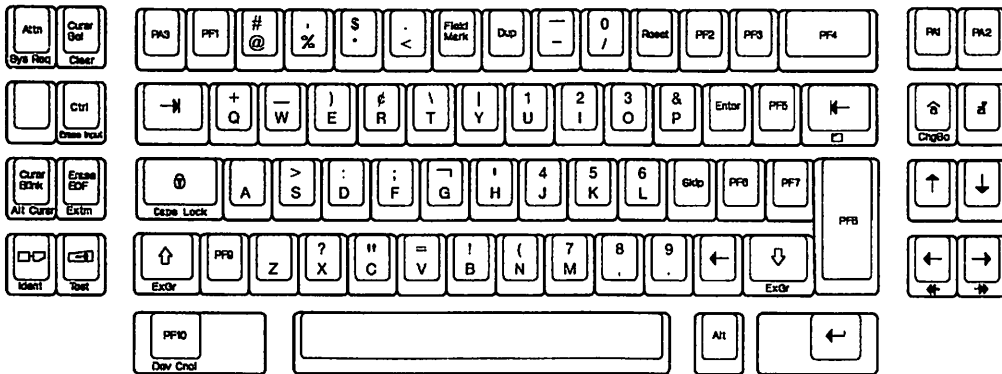
### Typewriter



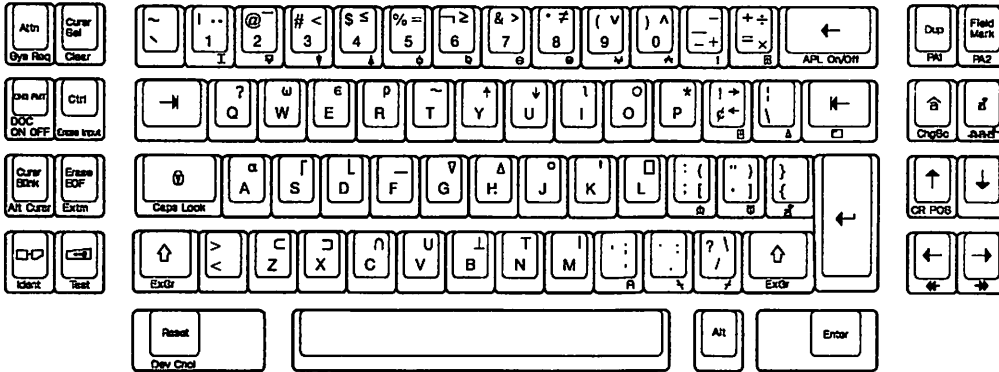
### Data Entry



### Data Entry Keypunch



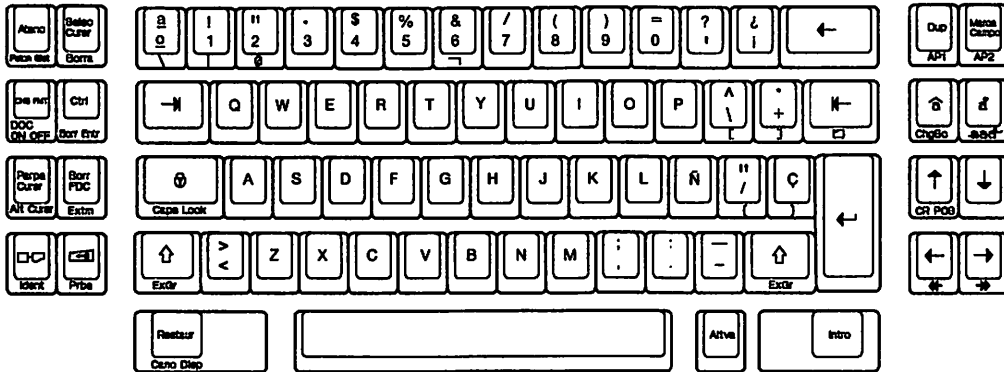
APL



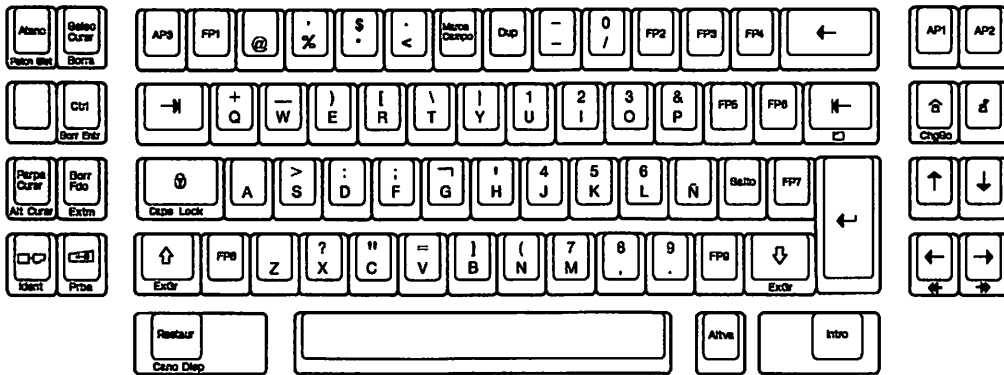
# Spanish

(Q121 = 19)

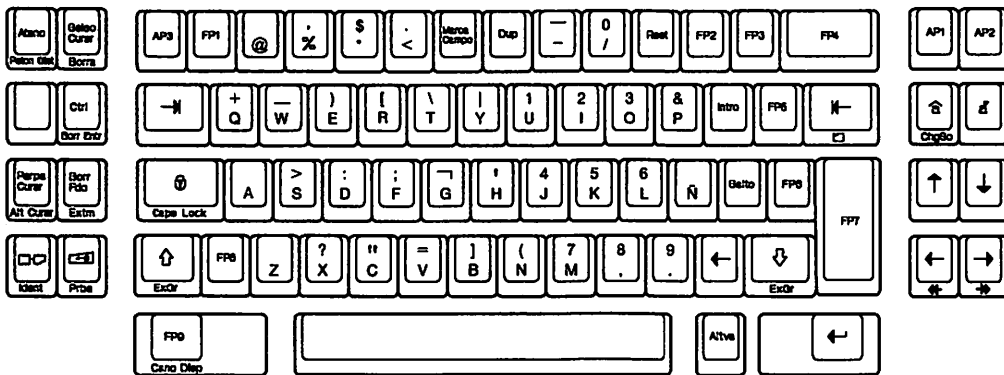
## Typewriter



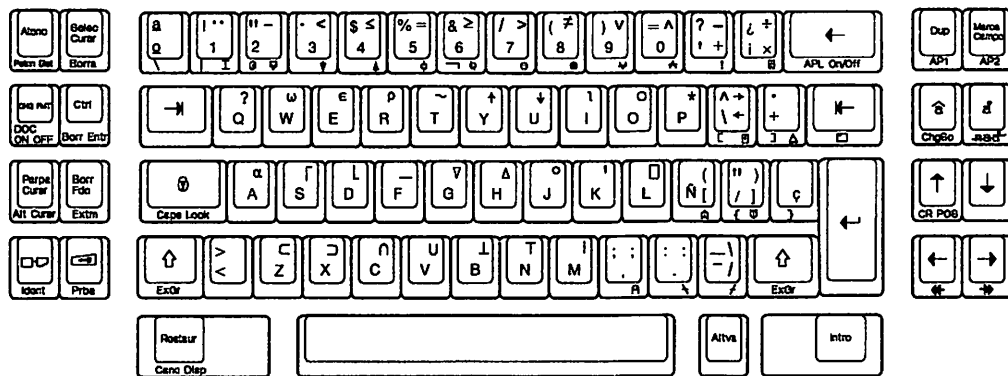
## Data Entry



## Data Entry Keypunch



APL

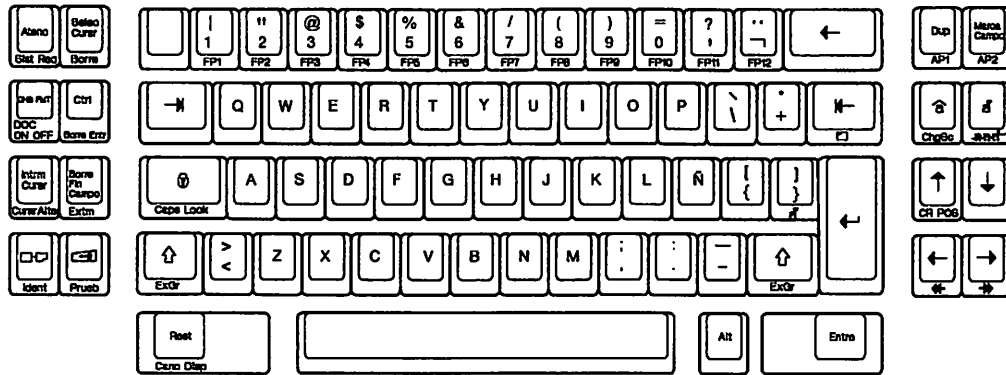




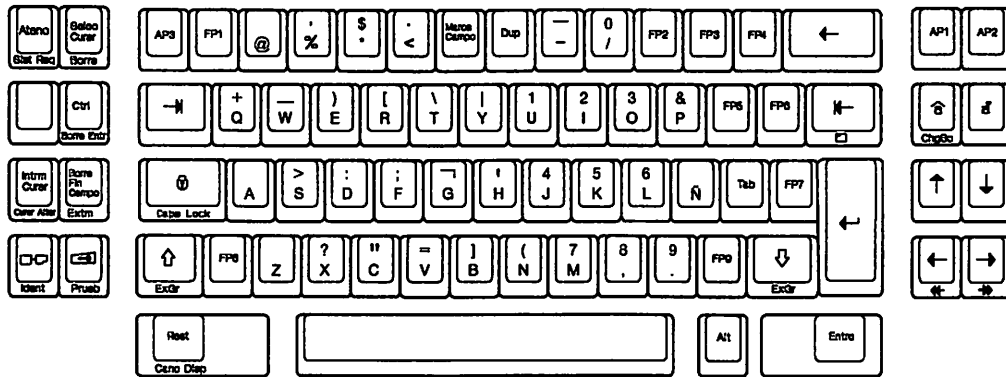
# Spanish-Speaking

(Q121 = 21)

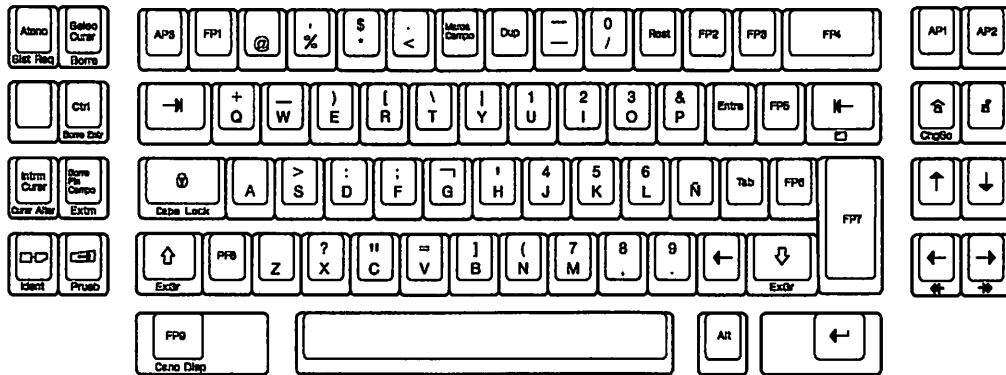
## Typewriter



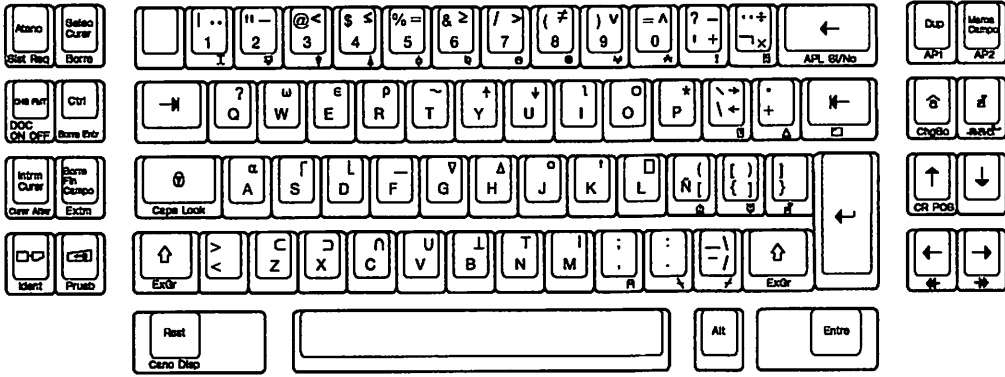
## Data Entry



## Data Entry Keypunch



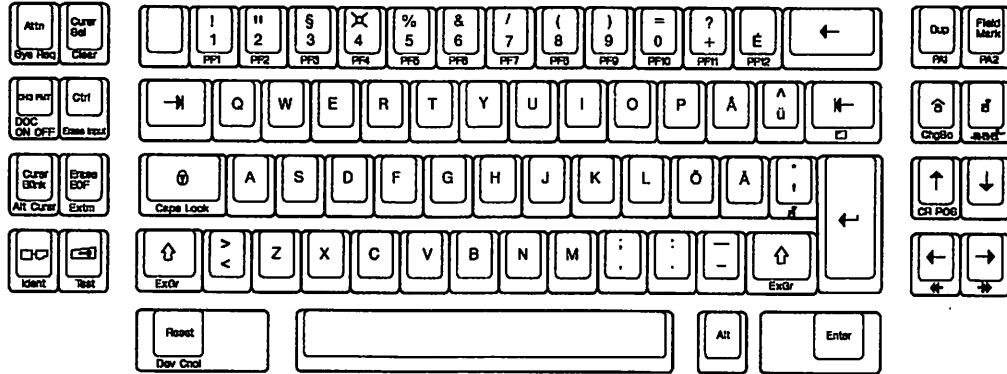
APL



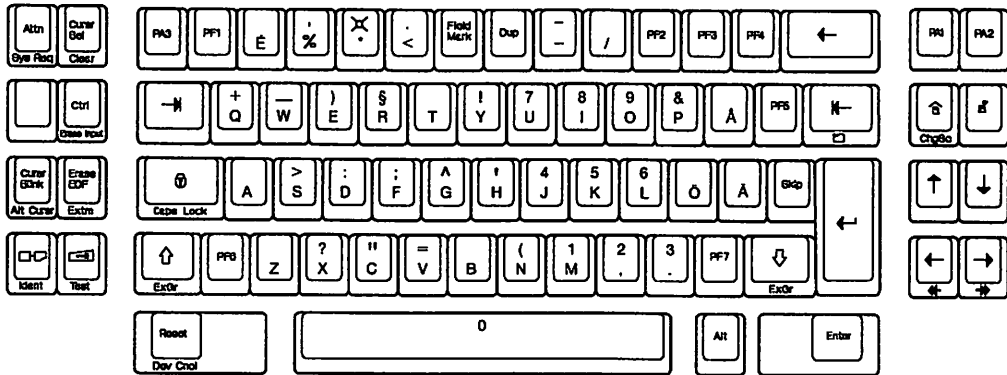
# Swedish

(Q121 = 24)

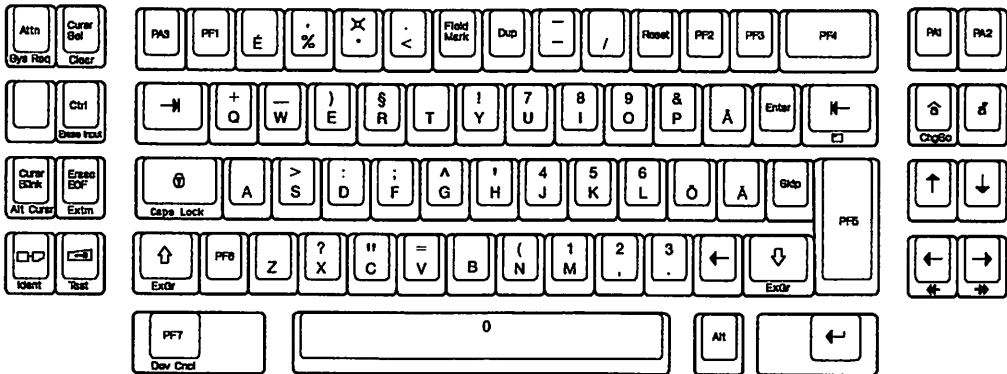
## Typewriter



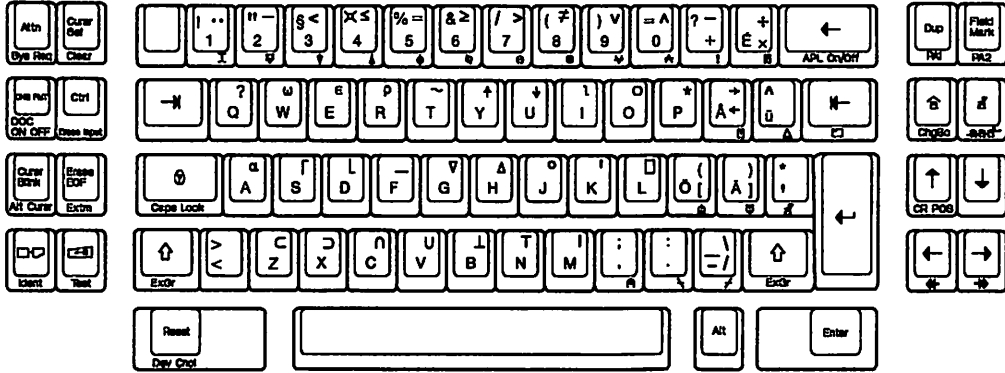
## Data Entry



## Data Entry Keypunch



APL

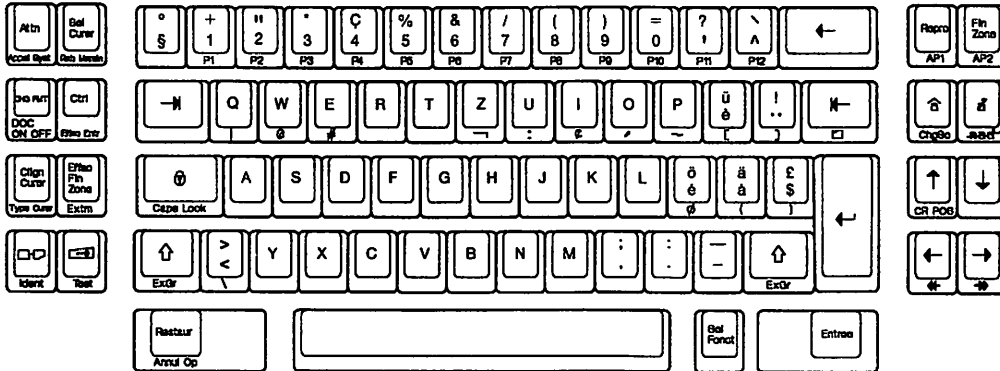


# Swiss-French (New)

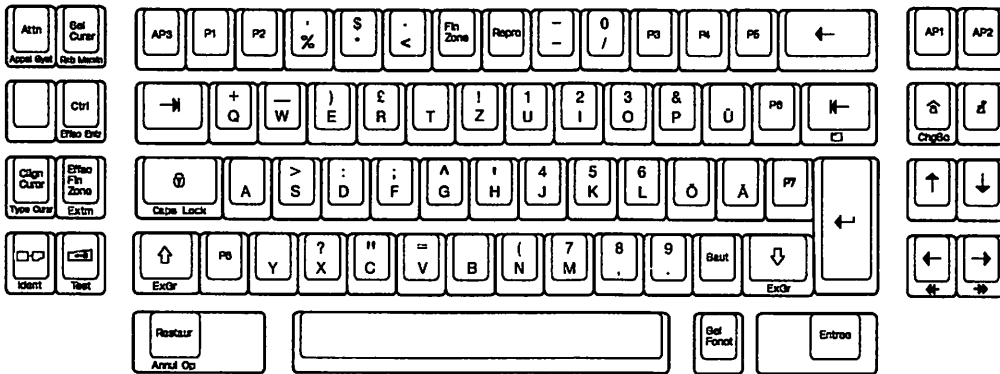
## Swiss-French (New)

(Q121 = 41)

### Typewriter



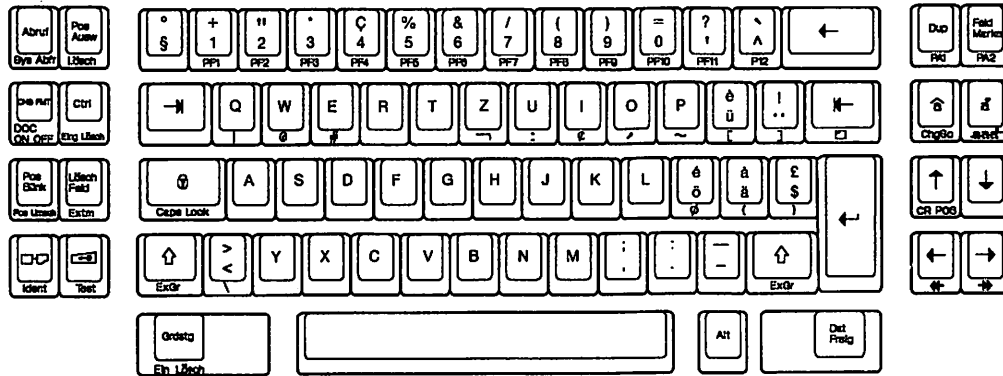
### Data Entry



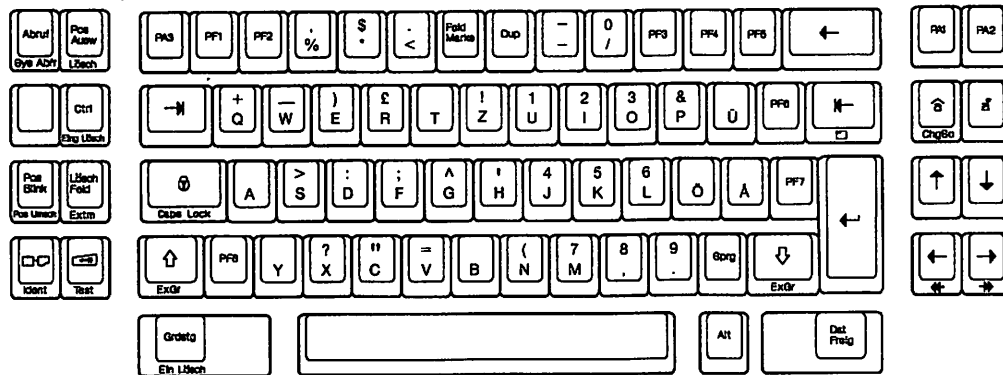
# Swiss-German (New)

(Q121 = 42)

## Typewriter



## Data Entry

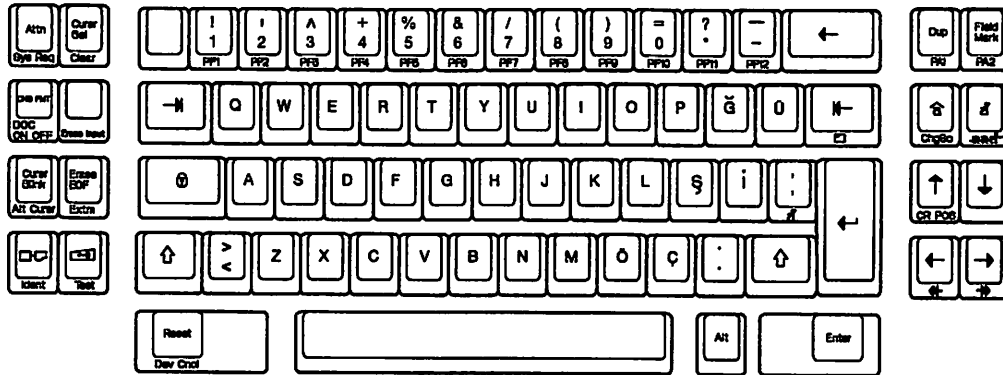


# Turkish

## Turkish

(Q121 = 39)

### Typewriter

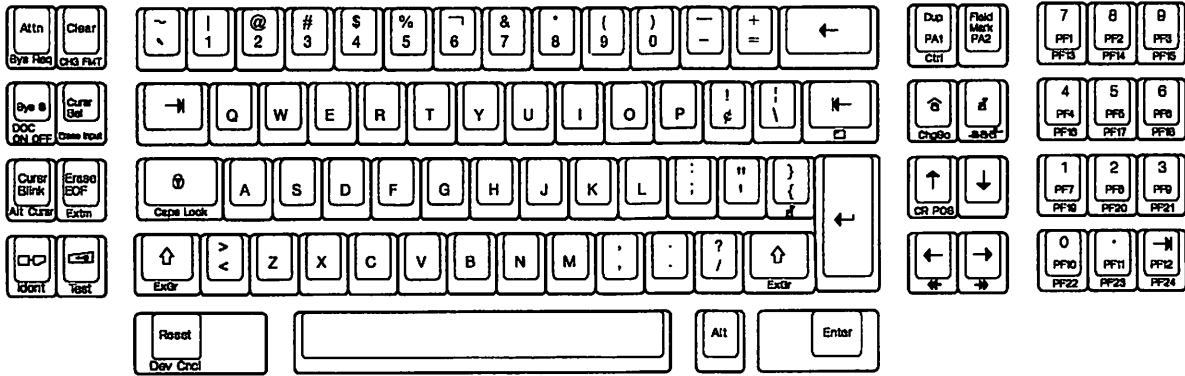


## Alternative Keyboards (U.S.A.)

(Q121 = 01)

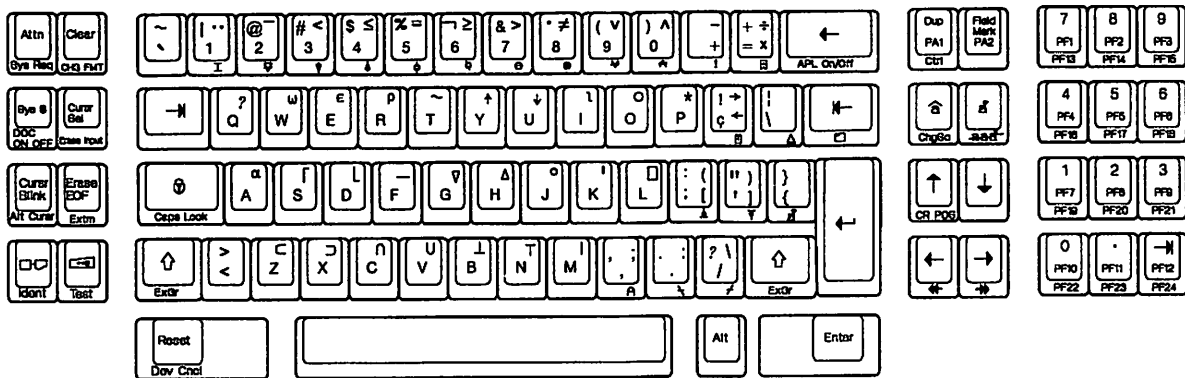
### Model 1038 Typewriter

(Q132 = x x n x n = 1 or 2)



### Model 1158 APL

(Q132 = x x n n = 1 or 2)

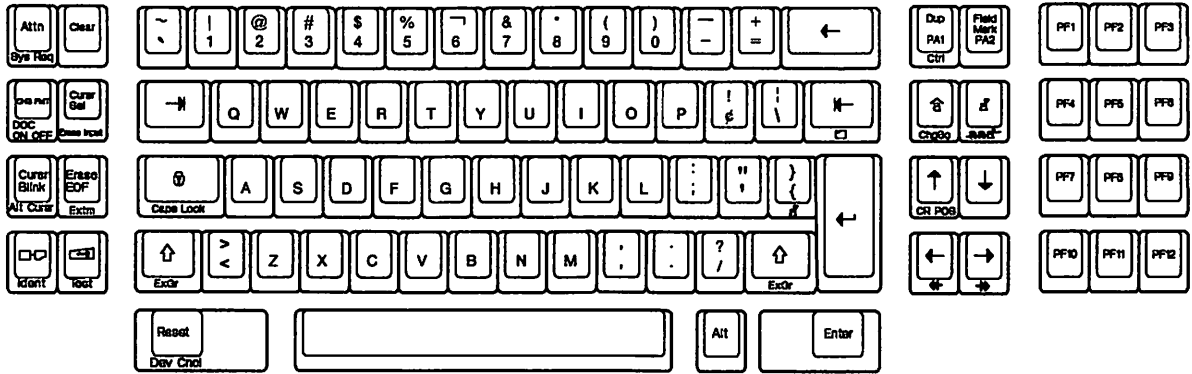




# Alternative Keyboards (U.S.A.)

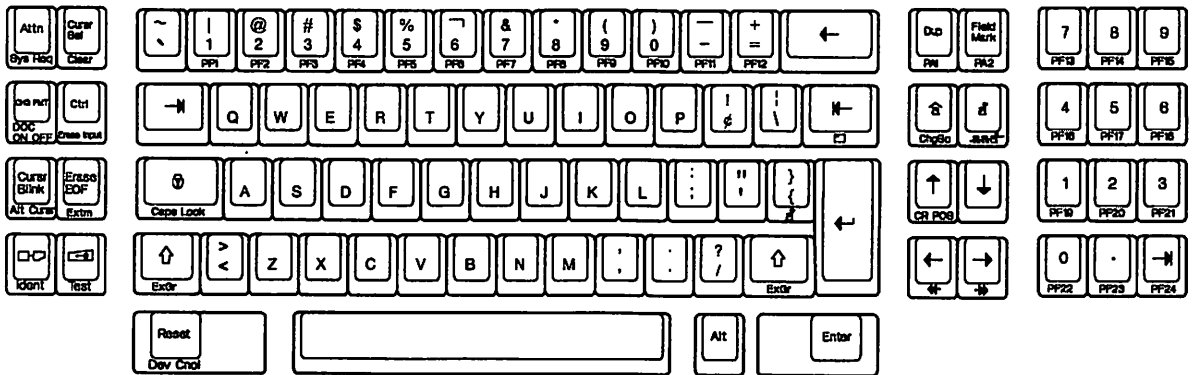
## Model 808 Typewriter

(Q132 = 1 x x x)



## Model 932 Typewriter

(Q132 = x 1 x x)

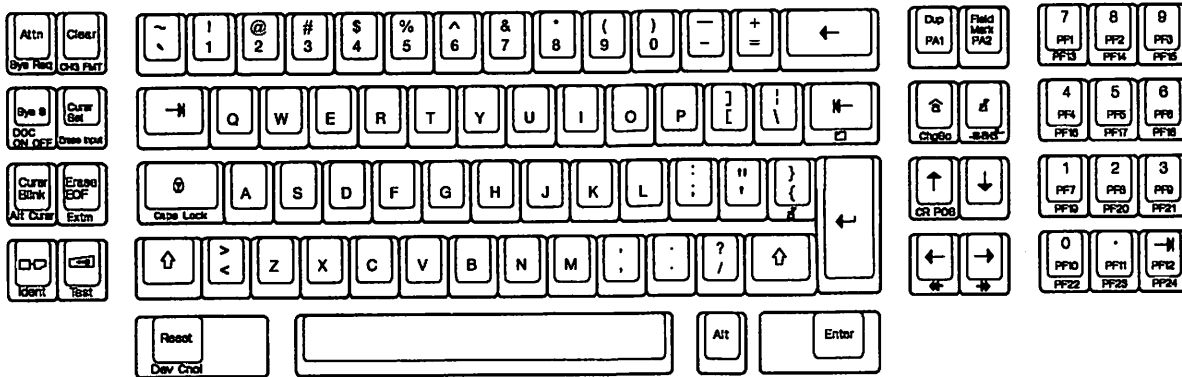


**Alternative Keyboards (U.S.A.) ASCII-7**

(Q121 = 02)

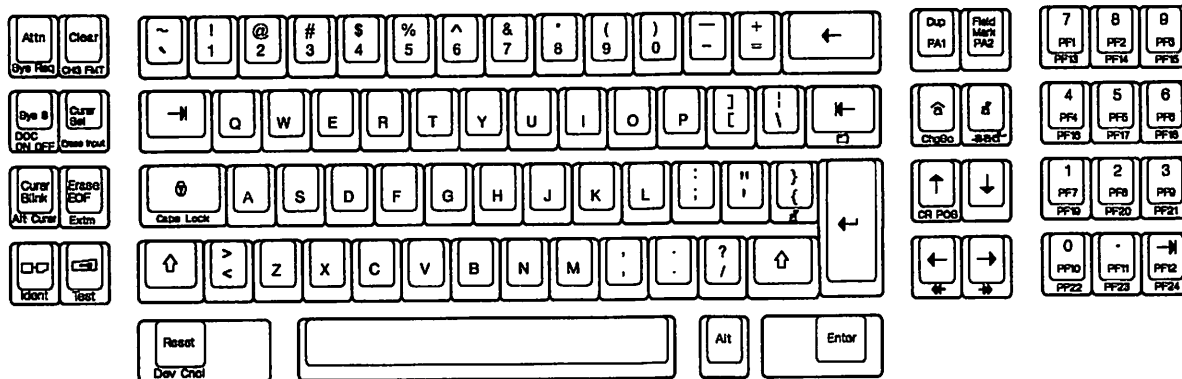
**Model 1038 Typewriter**

(Q132 = x x n x n = 1 or 2)



**Model 1158 APL**

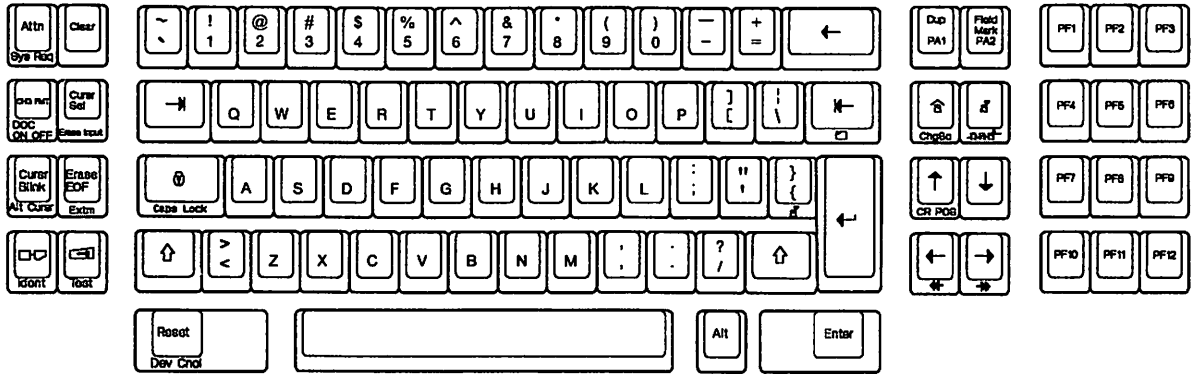
(Q132 = x x x n n = 1 or 2)



# Alternative Keyboards (U.S.A.) ASCII-7

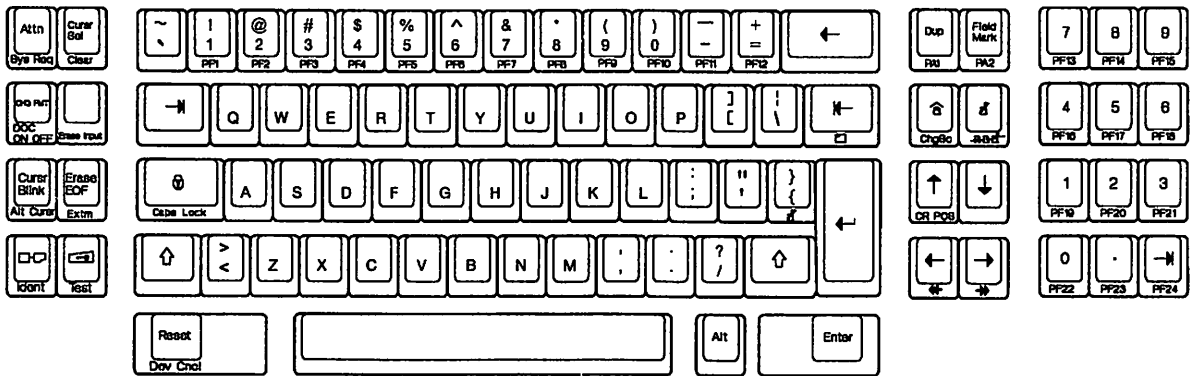
## Model 808 Typewriter

(Q132 = 1 x x x)



## Model 932 Typewriter

(Q132 = x 1 x x)

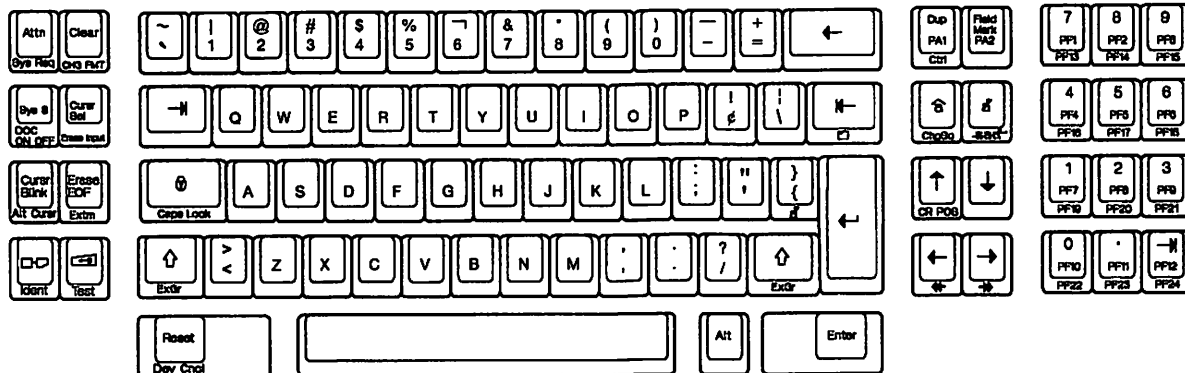


## Alternative Keyboards (Canadian Bilingual)

(Q121 = 29)

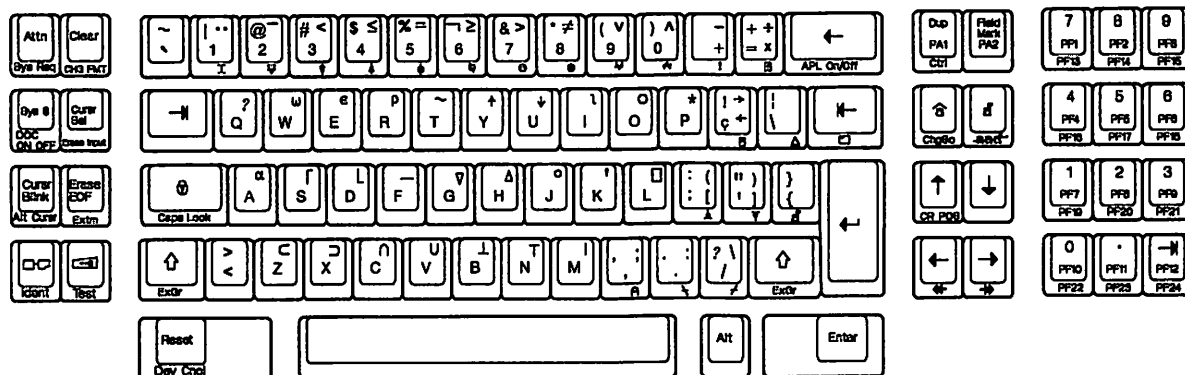
### Model 1038 Typewriter

(Q132 = x x n x n = 1 or 2)



### Model 1158 APL

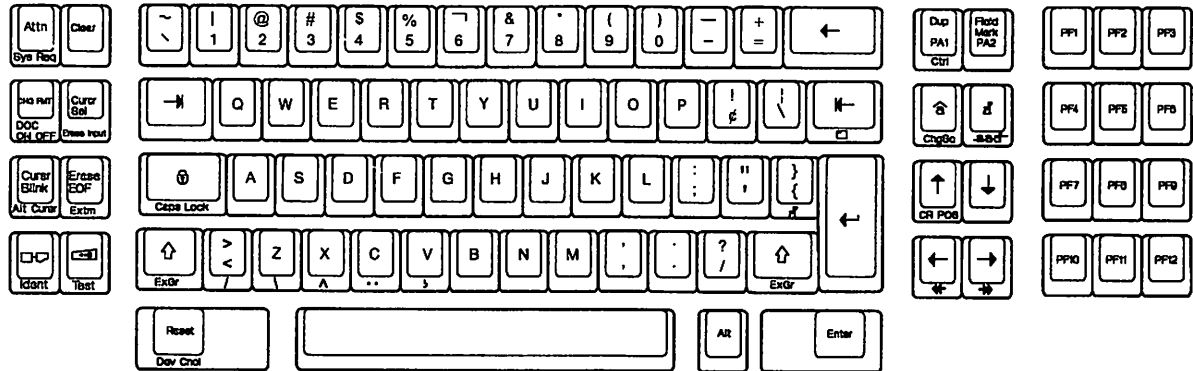
(Q132 = x x x n n = 1 or 2)



# Alternative Keyboards (Canadian Bilingual)

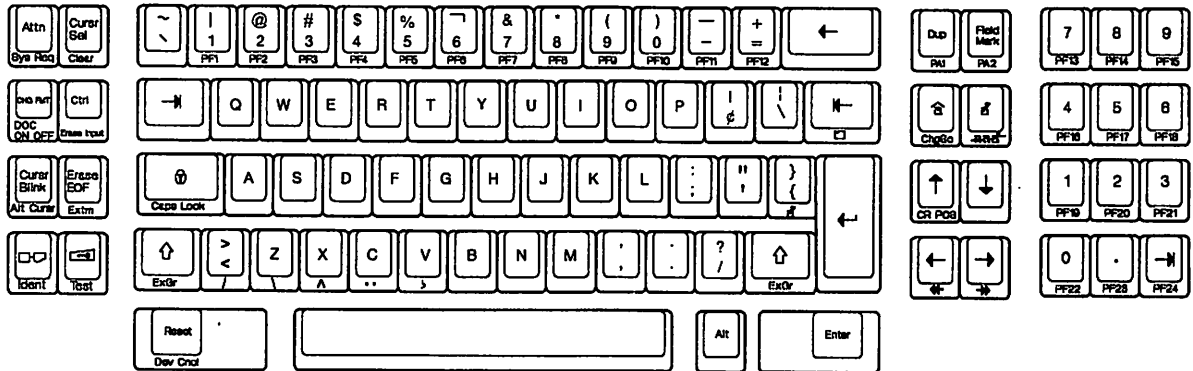
## Model 808 Typewriter

(Q132 = 1 x x x)



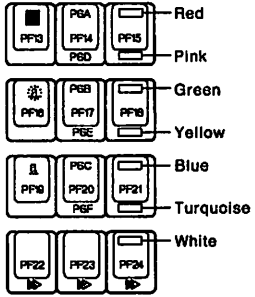
## Model 932 Typewriter

(Q132 = x 1 x x)



# Attribute Select Keypads

(Q166 = B or C)



---

## Chapter 3. Converged Keyboards

This chapter provides descriptions and national language layouts for the Converged keyboards.

---

### Keyboard Descriptions

The Converged keyboard is a 122-key modifiable keyboard. On displays without the 18-key numeric keypad, the keyboard has 104 keys.

**Note:** Two keys are added for the Japanese Katakana versions, making those 124 or 106-key keyboards respectively.

Most keys have removable caps that are interchangeable with other keys. For most IBM standard layouts, accessories are available to supply additional keycaps.

The Converged keyboard is available in the following versions:

- Typewriter
- Data entry
- APL.

Terminals using these keyboards must operate in CUT mode and their keyboards in native mode.

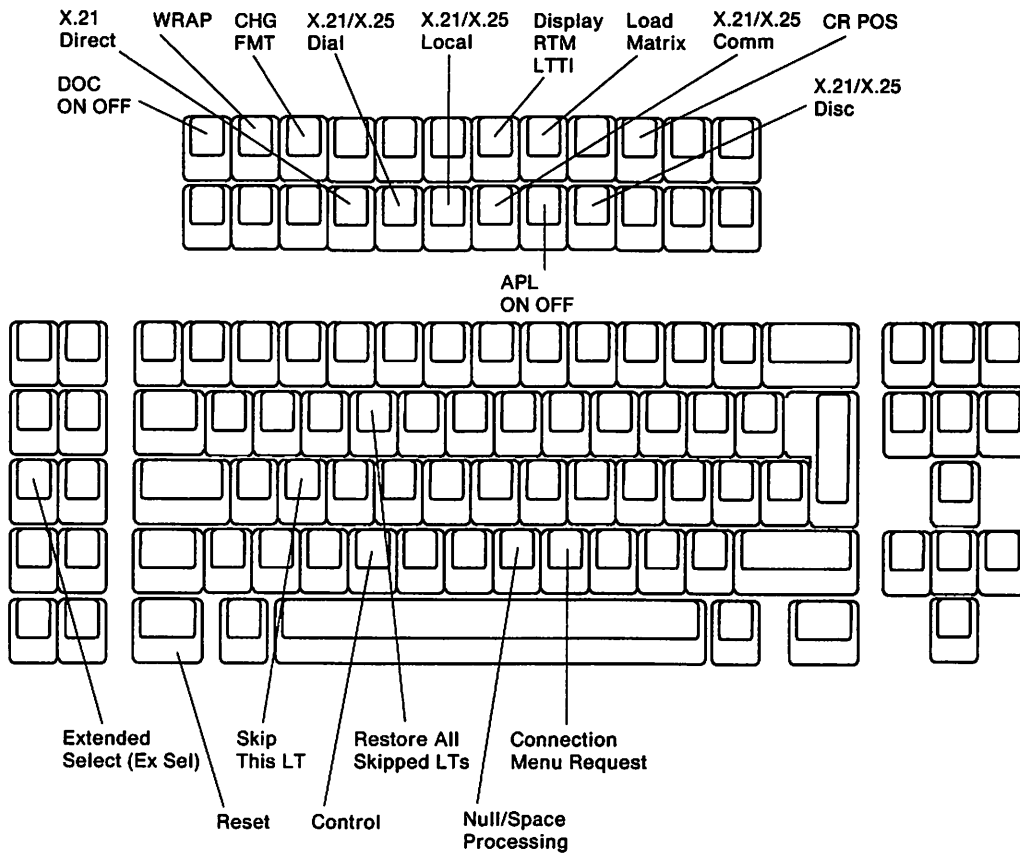
The Converged keyboards are used on the following terminals:

- IBM 3179 Color Display Station
- IBM 3180 Display Station
- IBM 3191 Display Station, Models A10 and B10
- IBM 3192 Display Station, Models C10, C30, D10, D30, F10, F30, G10, G30, G40, L10, L30, W10, and W30
- IBM 3471 InfoWindow
- IBM 3472 InfoWindow.

## Extended Select Functions

The following layout shows the functions that are enabled after invoking Extension/Extended Select mode. Descriptions of the functions are found in the *3174 Functional Description*.

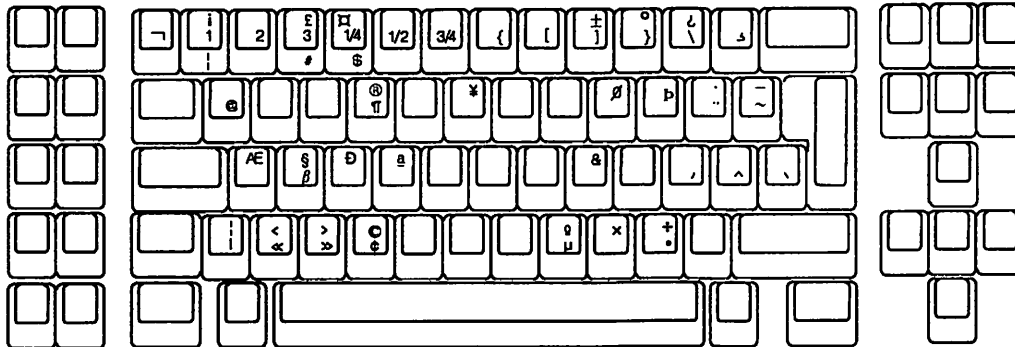
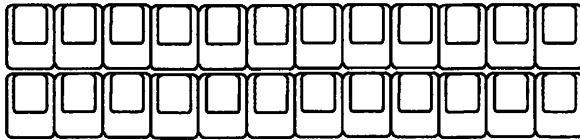
A description of the Entry Assist functions is found in the *Entry Assist User's Guide*, GA23-0119.





## Extended Graphics Functions

The following layout shows the functions that are enabled after invoking Extended Graphics (ExGr) mode. A description is found in the *3174 Functional Description*.



The following languages are supported for this function:

Austrian/German	Q121=03	Netherlands	Q121=47
Belgian (New)	Q121=43	Norwegian	Q121=23
Canadian Bilingual	Q121=29	Portuguese	Q121=28
Danish	Q121=07	Spanish	Q121=19
English (U.K.)	Q121=22	Spanish-Speaking	Q121=21
English (U.S.A.)	Q121=01	Swedish	Q121=24
Finnish	Q121=09	Swiss-French (New)	Q121=41
French	Q121=30	Swiss-German (New)	Q121=42
Italian	Q121=15		

**Note:** Accents are not diacritic (nonescaping keys) for Converged Data Entry keyboards.

## Numeric Keypads

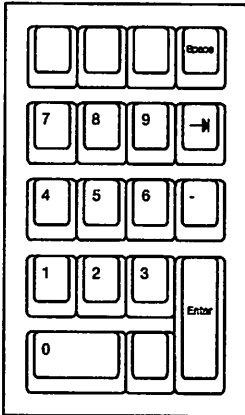
---

### Numeric Keypads

The following three configurations of the numeric keypads are available. Two configurations are optional—available (in native mode only) through modification of the standard National Language Numeric Keypad customization of the control unit.

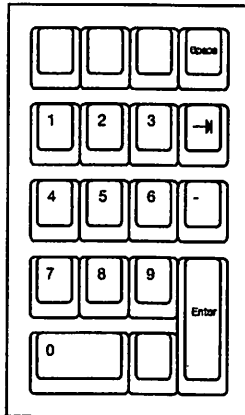
#### National Language Numeric (standard)

Q138 = 0



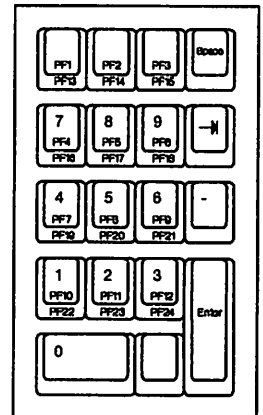
#### Data Entry (optional)

Q138 = 1



#### Program Function (optional)

Q138 = 2



---

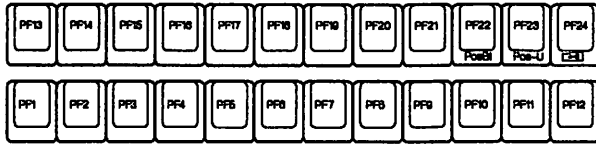
## Keyboard Layouts

The remainder of this chapter shows the Converged keyboard layouts for the national languages supported by the 3174.

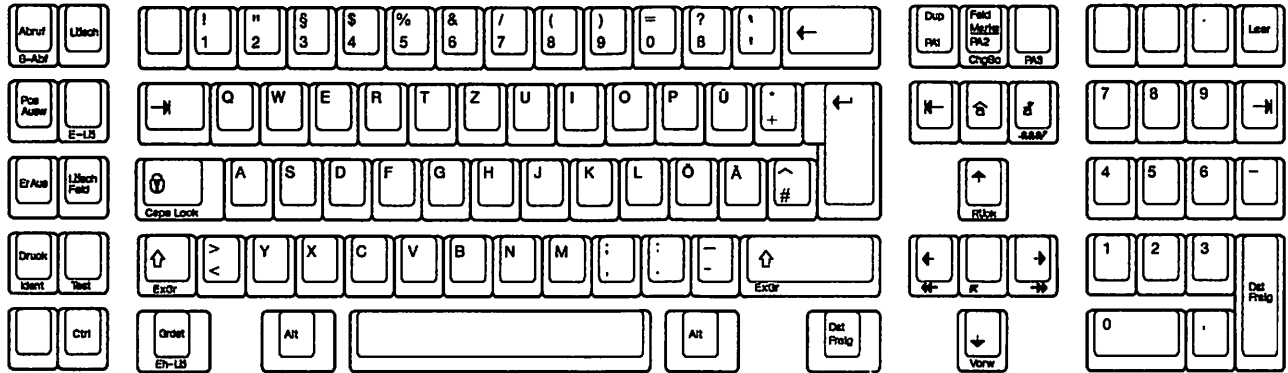
# Austrian/German

(Q121 = 03)

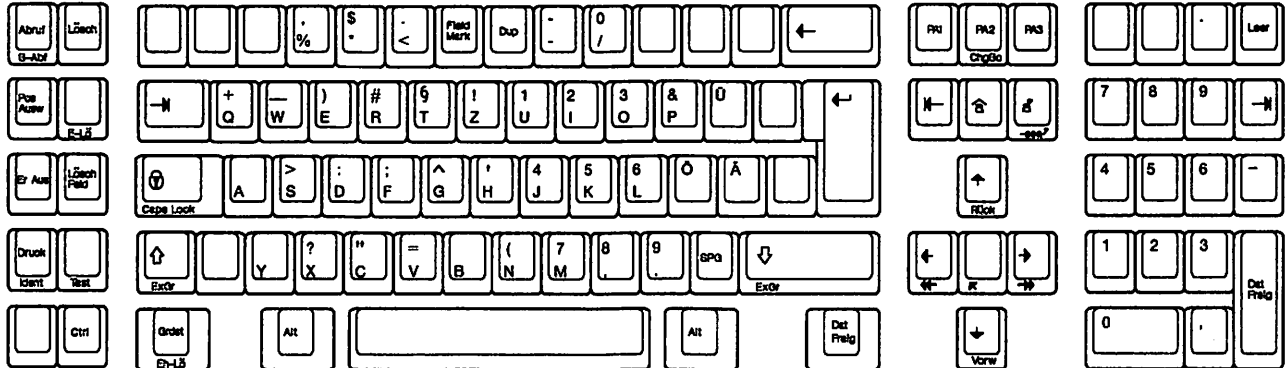
## Typewriter



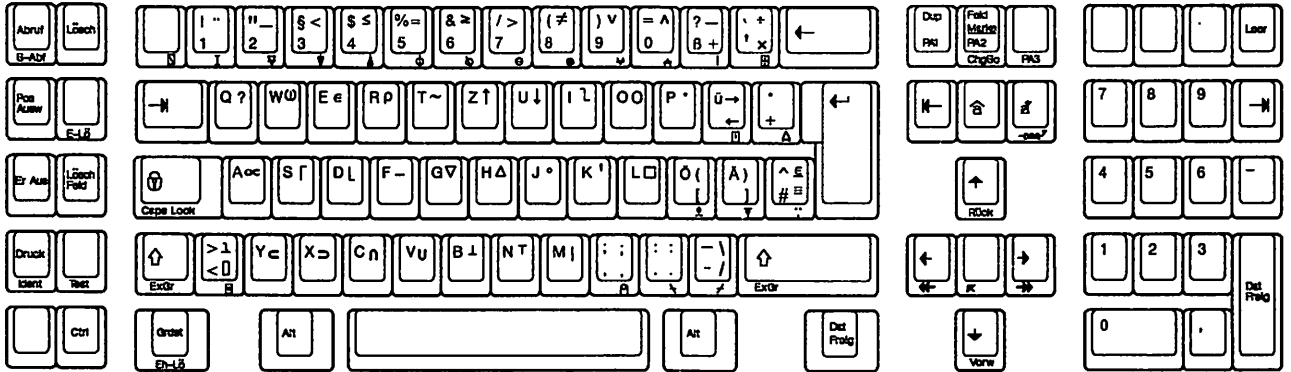
This group of keys is common to all keyboards.



## Data Entry



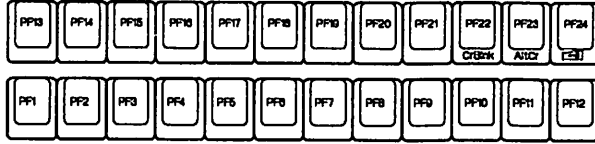
APL



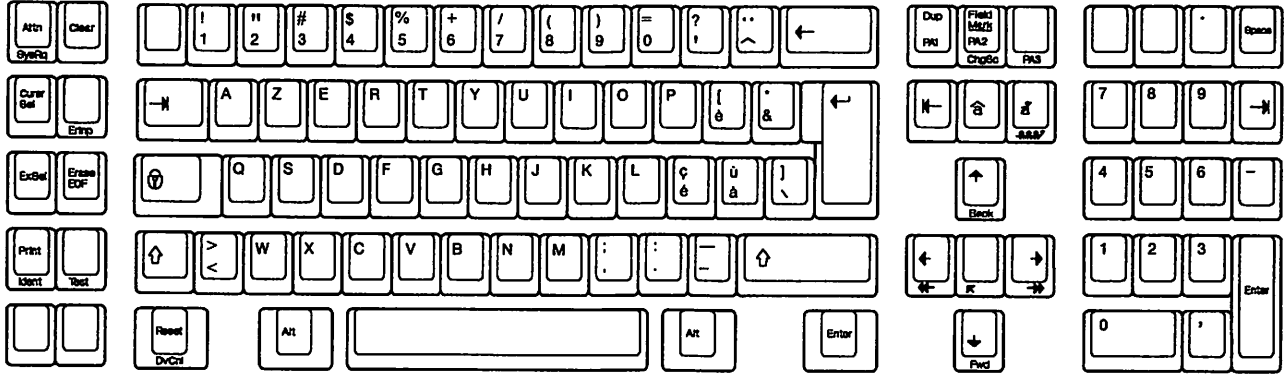
# Belgian

(Q121 = 04)

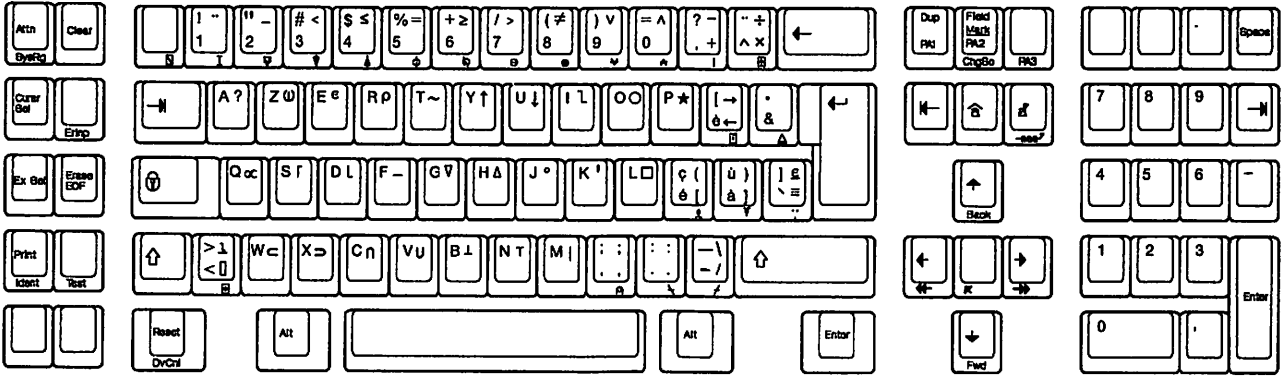
## Typewriter



This group of keys is common to all keyboards.



## APL

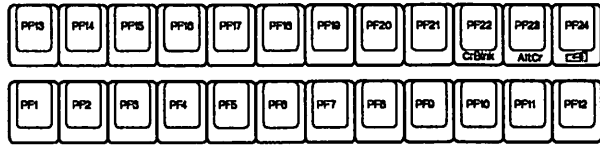


# Belgian (New)

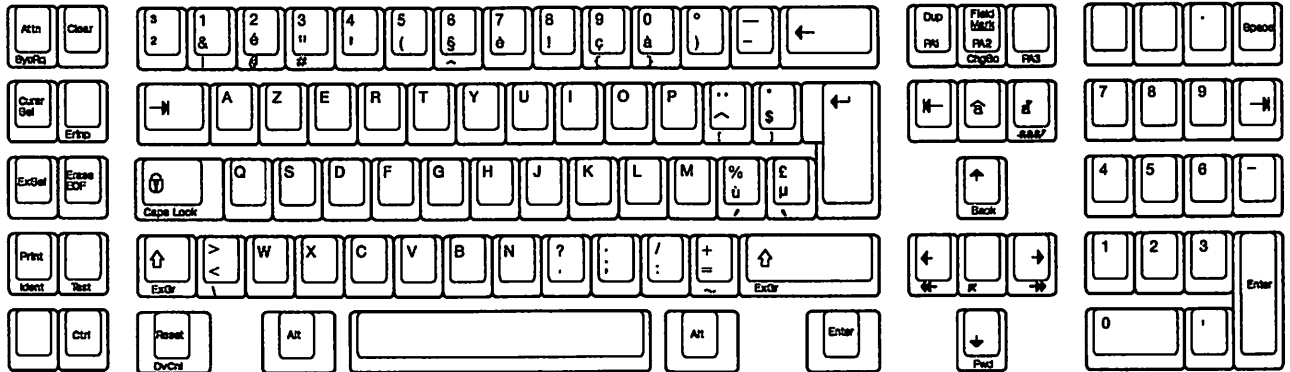
## Belgian (New)

(Q121 = 43)

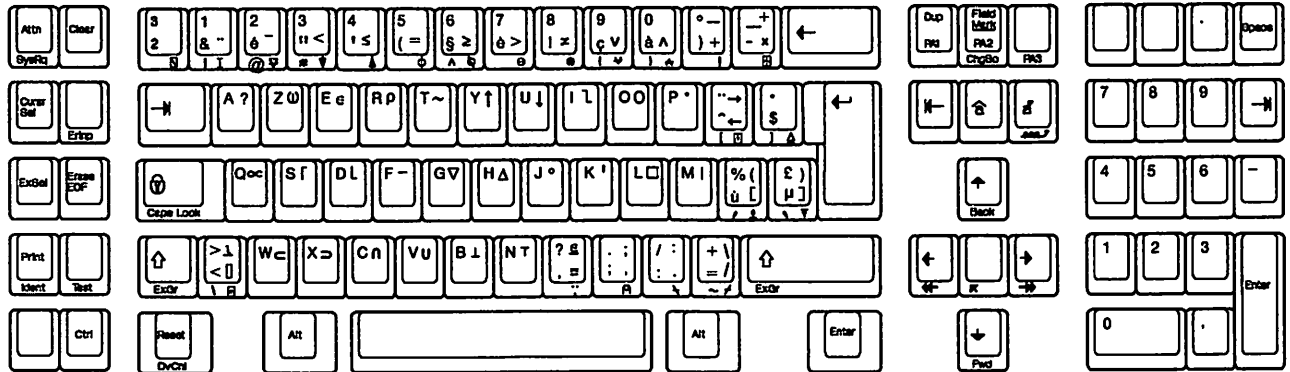
### Typewriter



This group of keys is common to all keyboards.



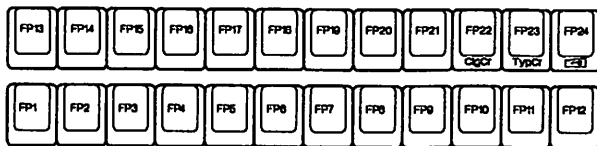
### APL



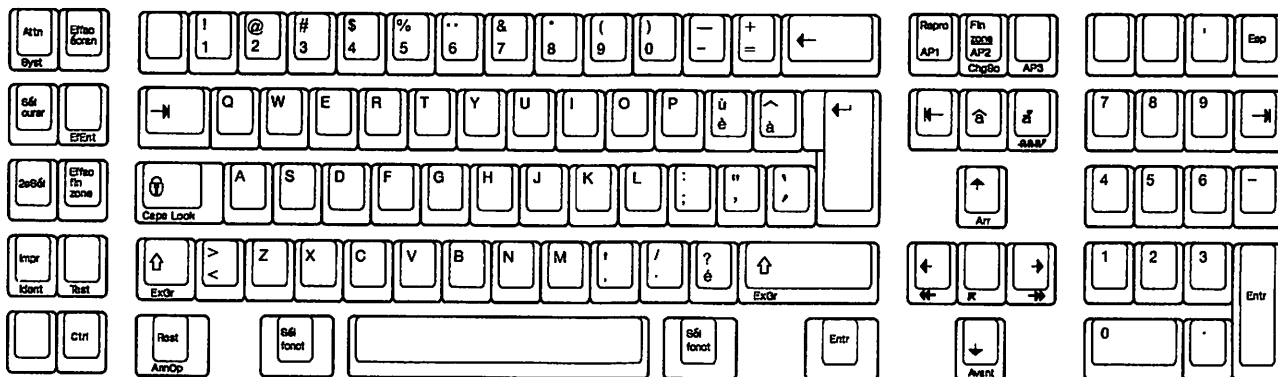
# Canadian Bilingual

(Q121 = 29)

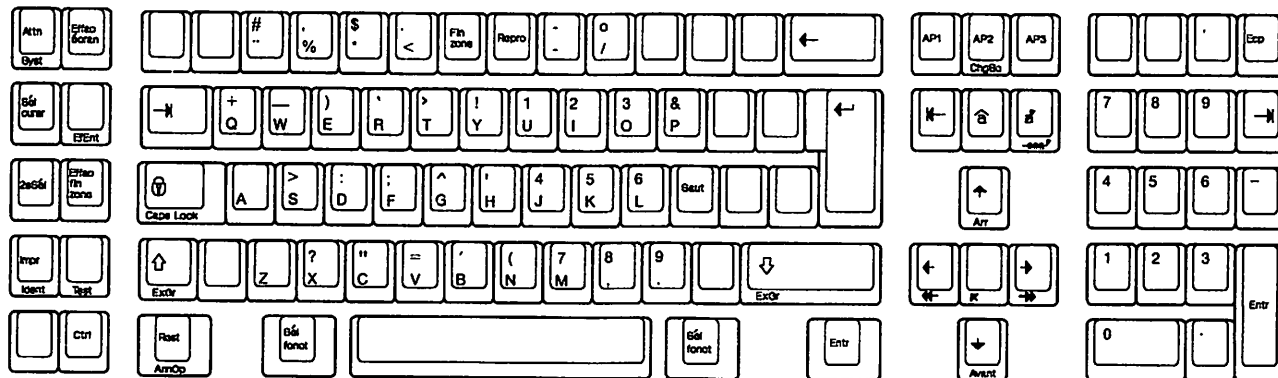
## Typewriter



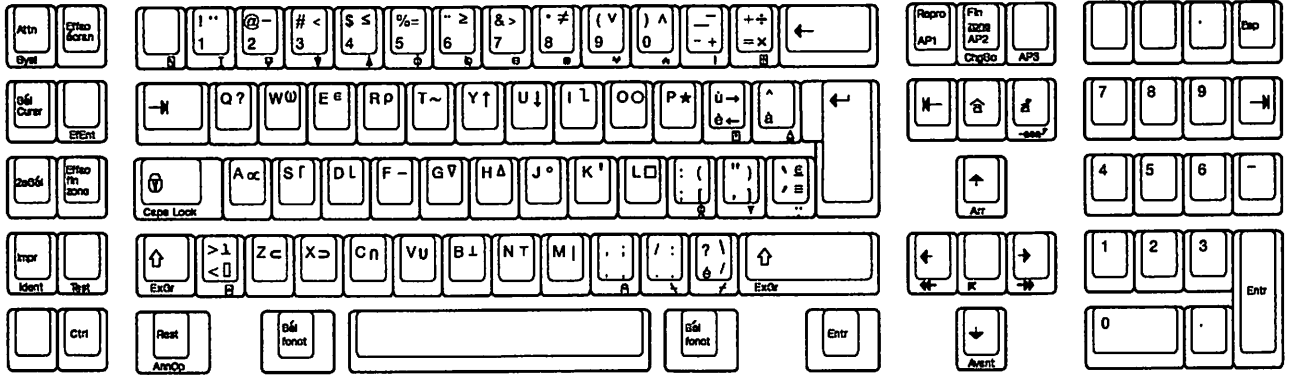
This group of keys is common to all keyboards.



## Data Entry



APL

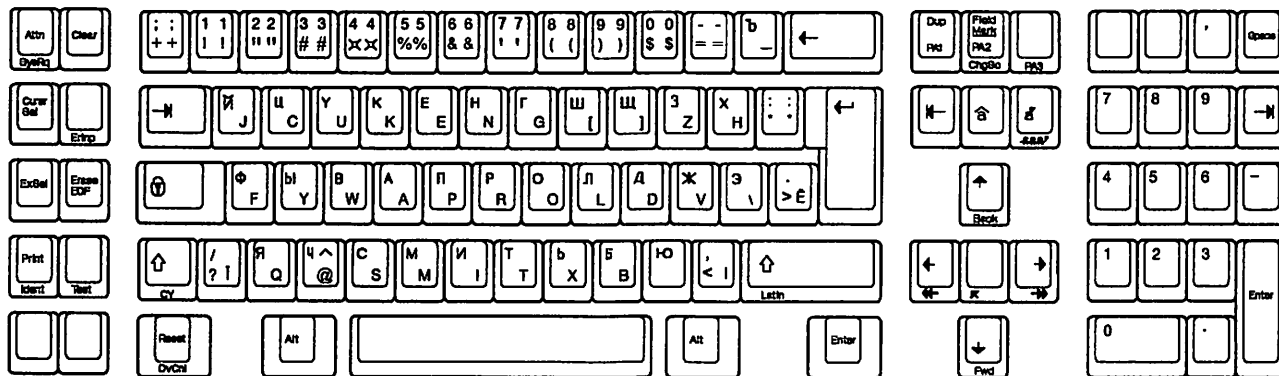
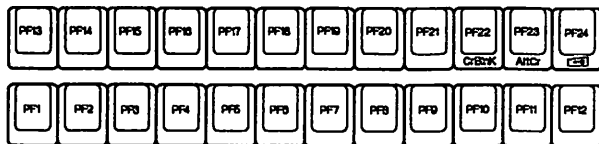




# Cyrillic

(Q121 = 35)

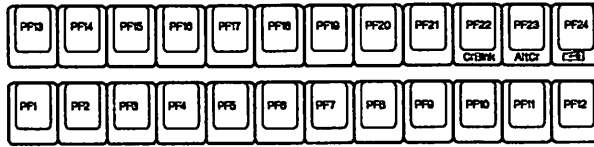
## Typewriter



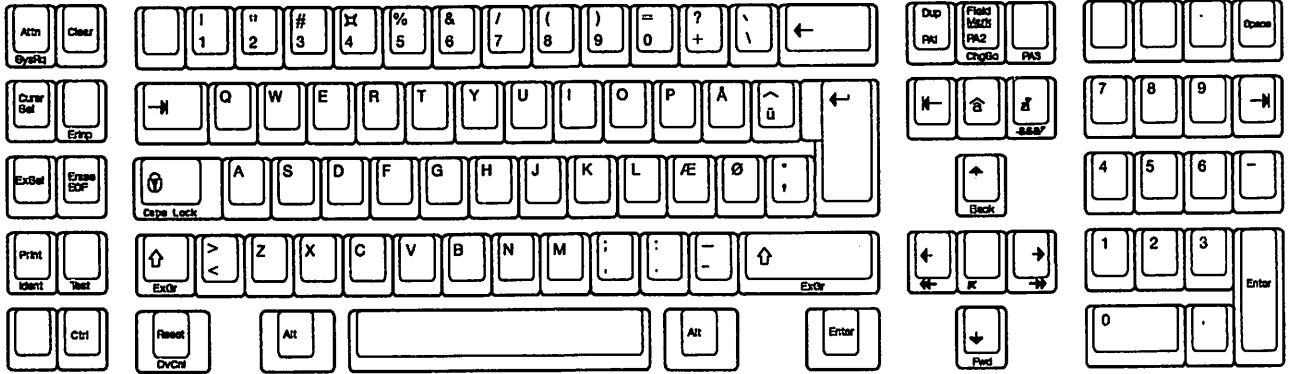
Danish

(Q121 = 07)

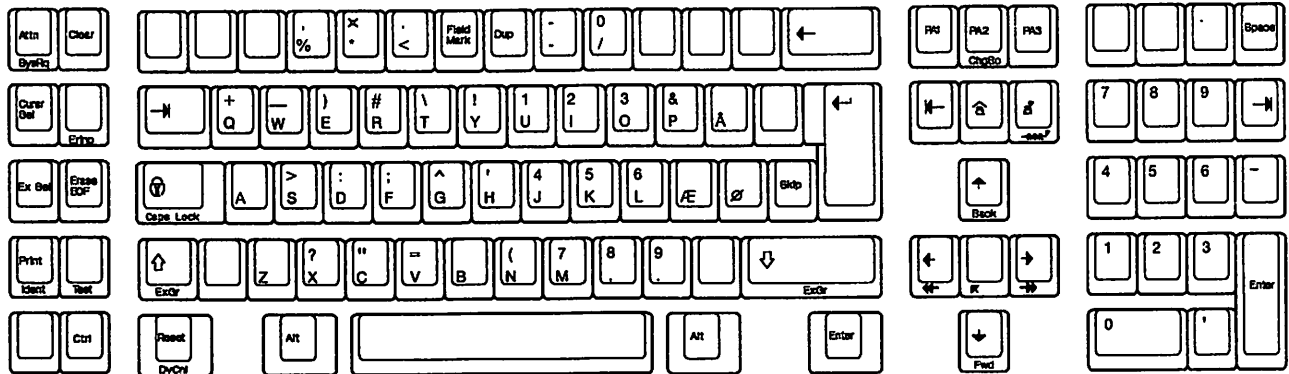
Typewriter



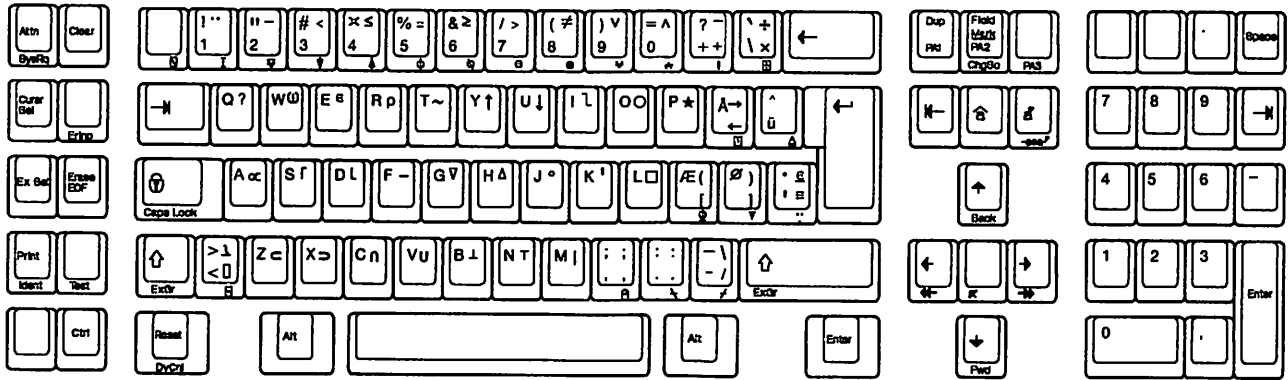
This group of keys is common to all keyboards.



Data Entry



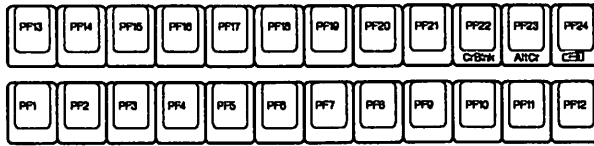
APL



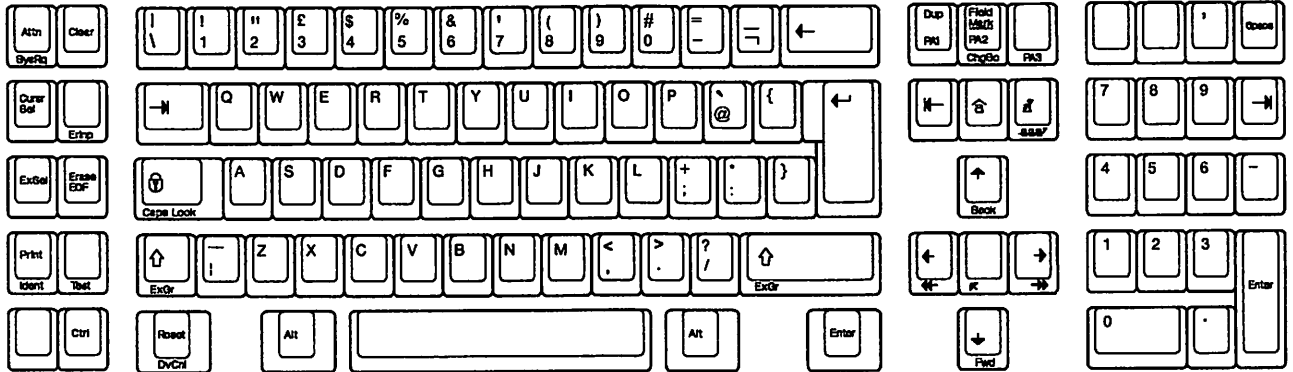
English (U.K.)

(Q121 = 22)

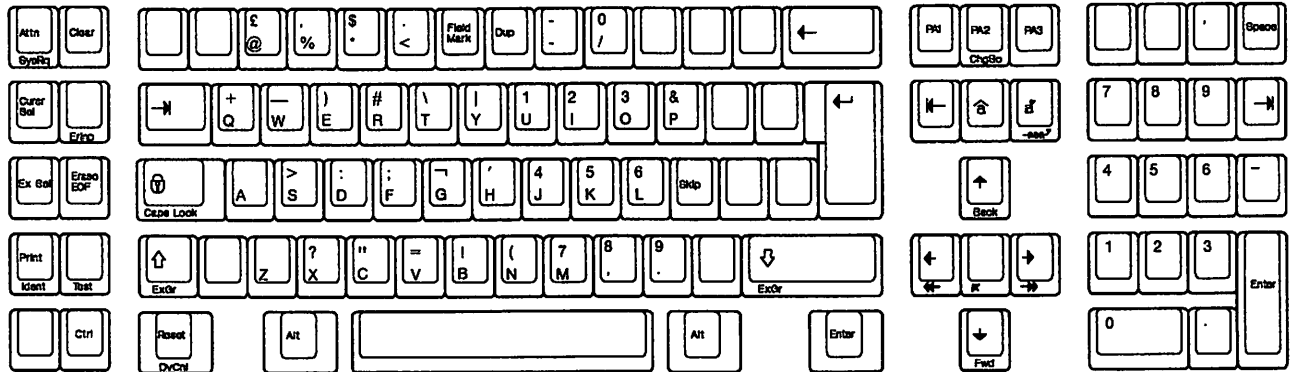
Typewriter



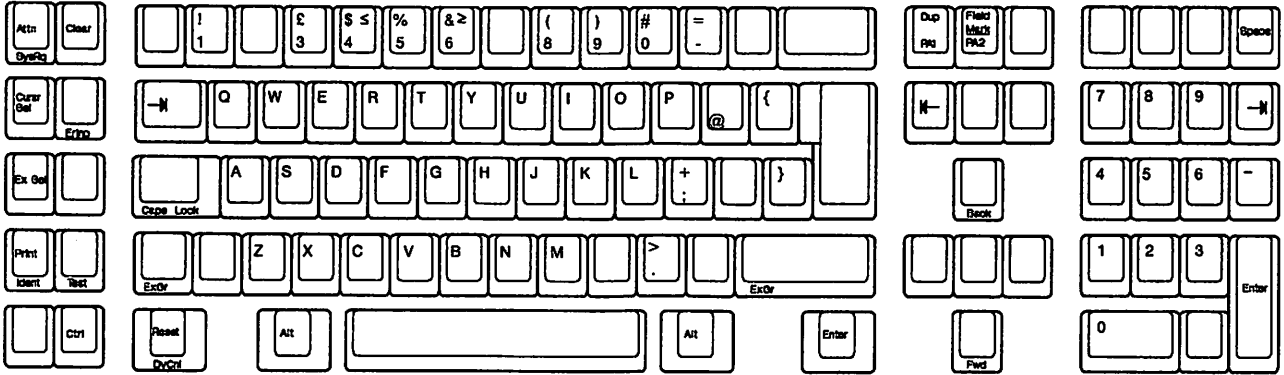
This group of keys is common to all keyboards.



Data Entry



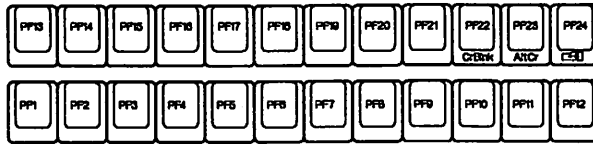
APL



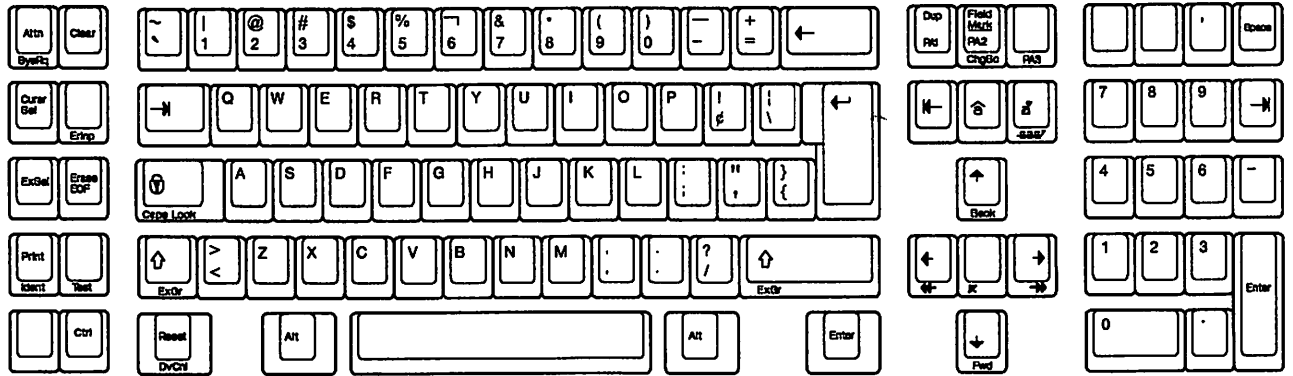
# English (U.S.A.)

(Q121 = 01)

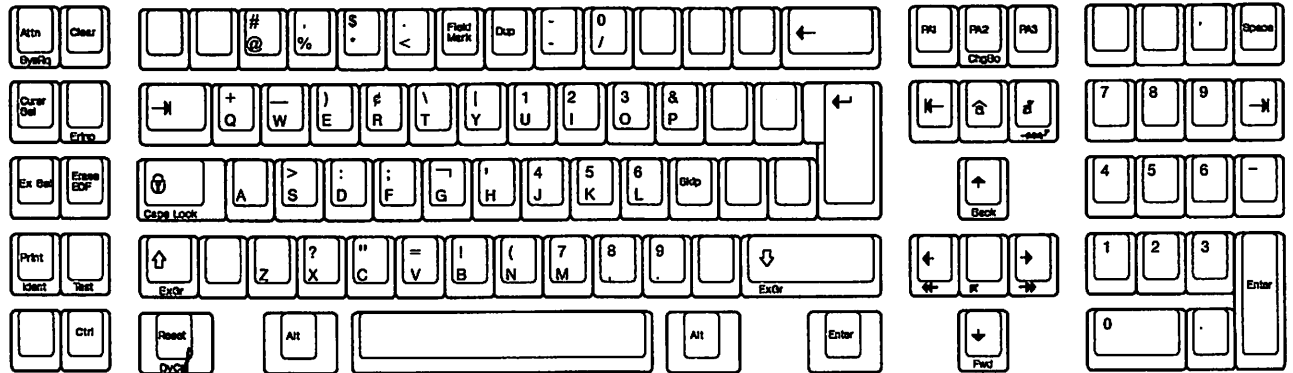
## Typewriter



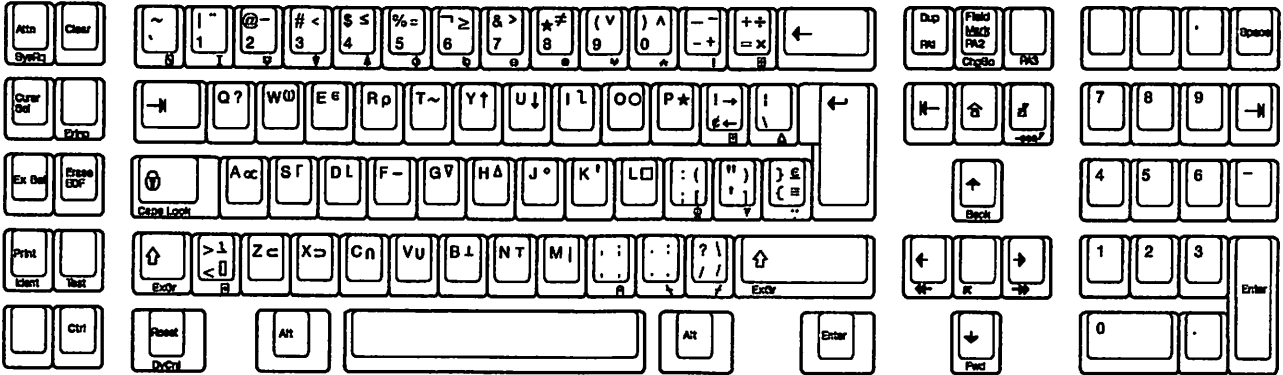
This group of keys is common to all keyboards.



## Data Entry



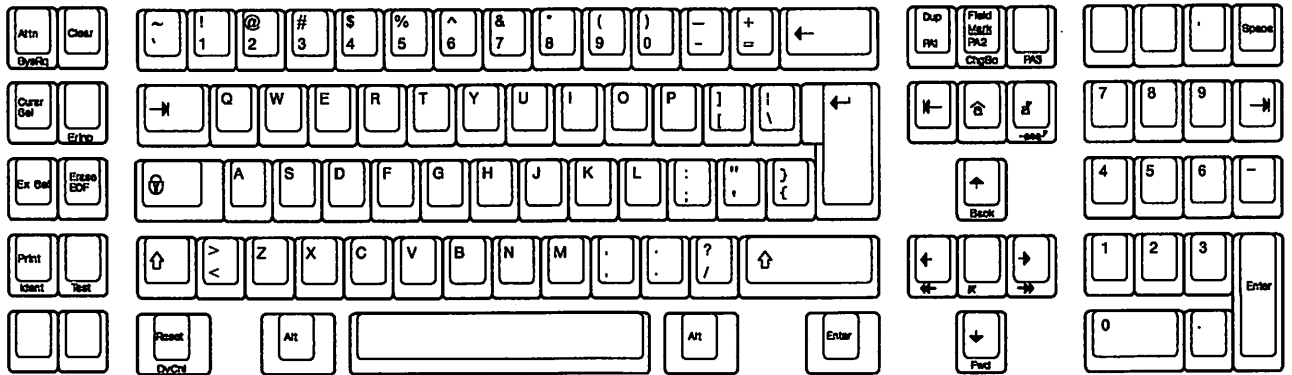
APL



English (U.S.A.) ASCII-International, ASCII-8

(Q121 = 33, 34)

Typewriter

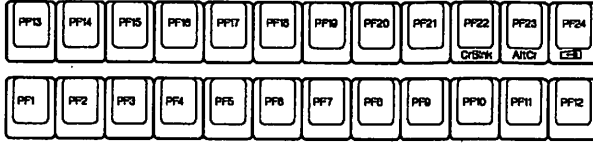




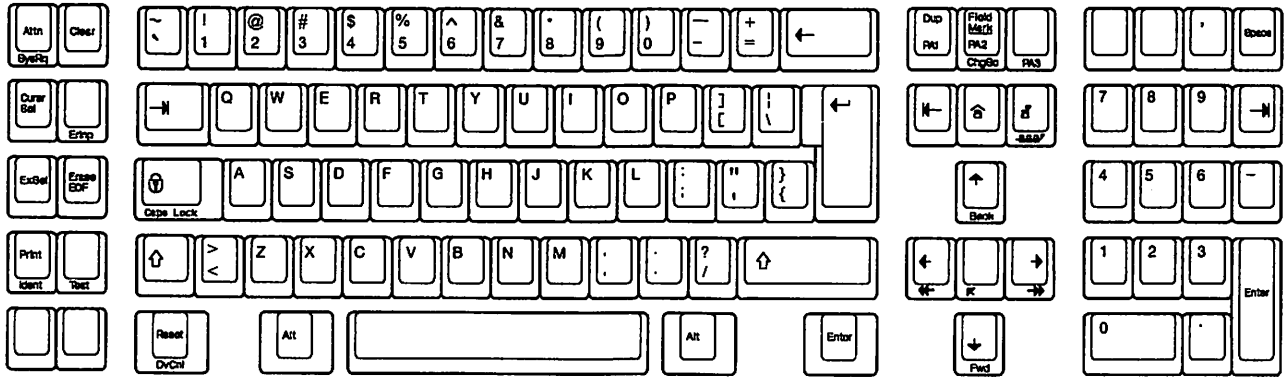
English (U.S.A.) ASCII-7

(Q121 = 02)

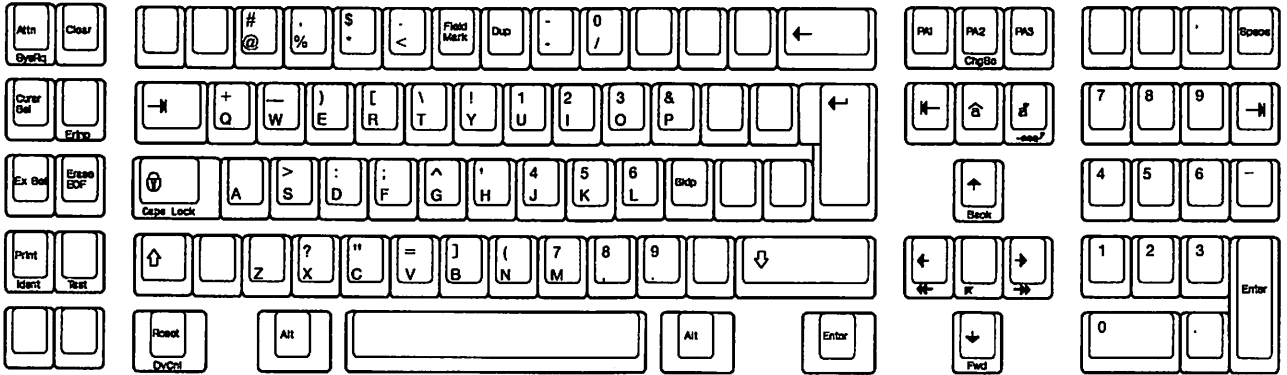
Typewriter



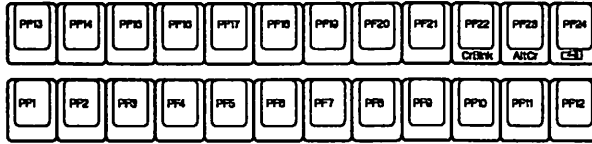
This group of keys is common to all keyboards.



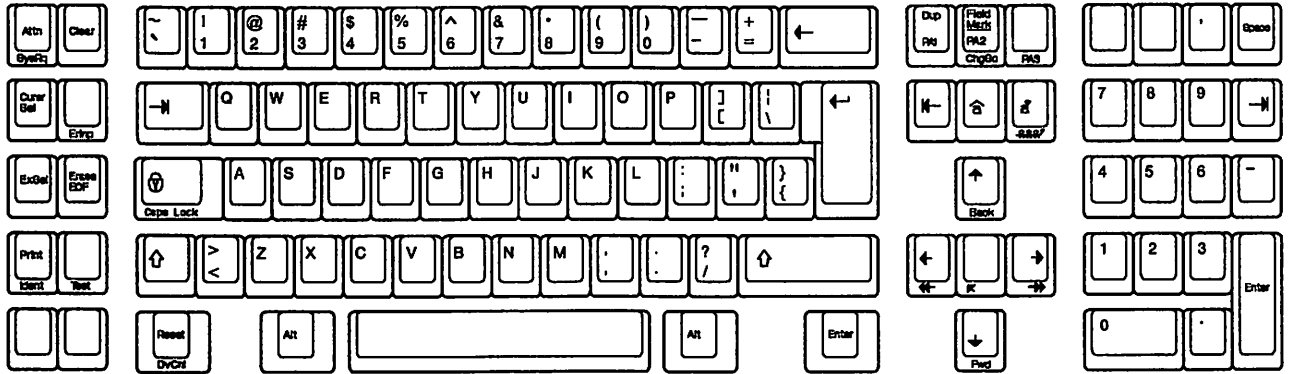
Data Entry



APL



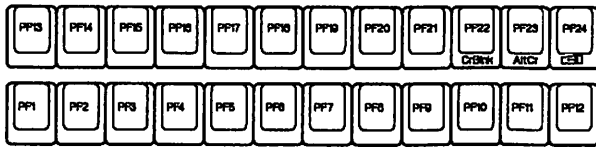
This group of keys is common to all keyboards.



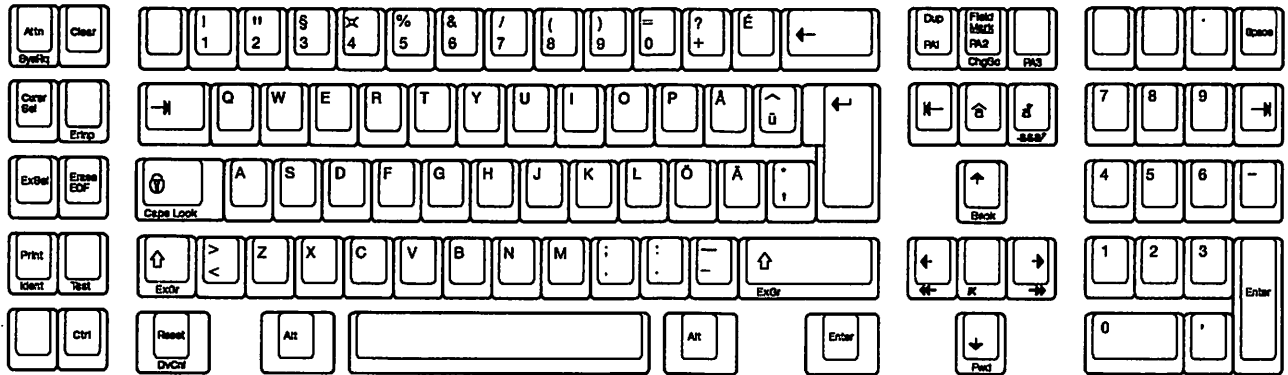
# Finnish

(Q121 = 09)

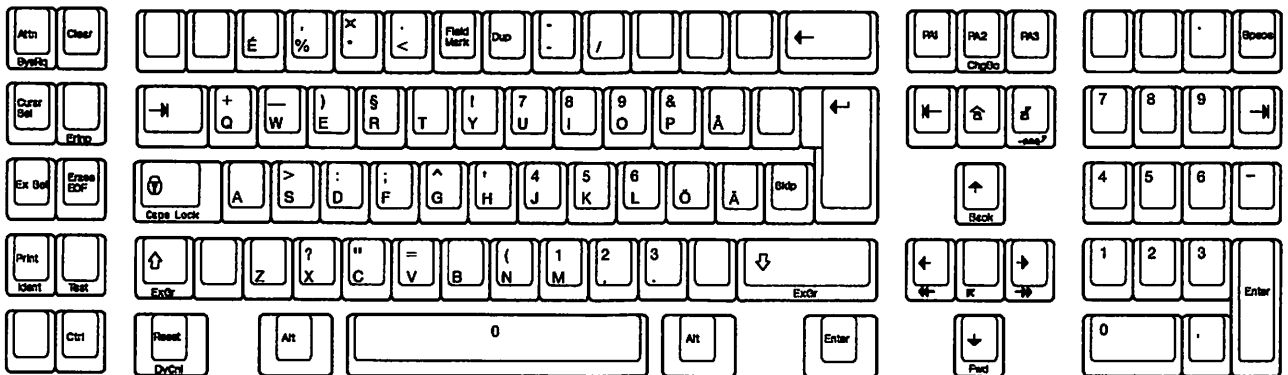
## Typewriter



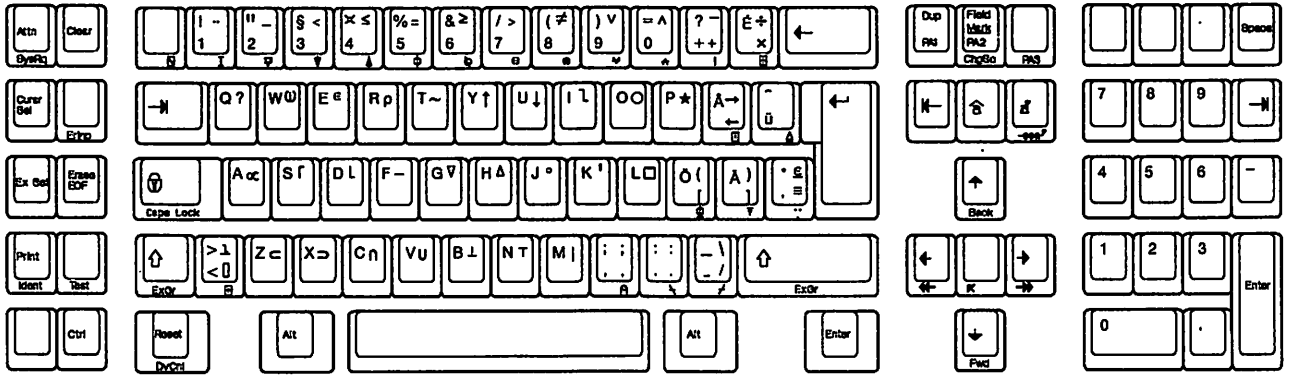
This group of keys is common to all keyboards.



## Data Entry

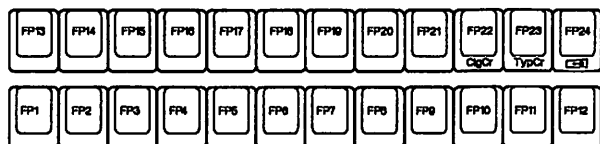


APL

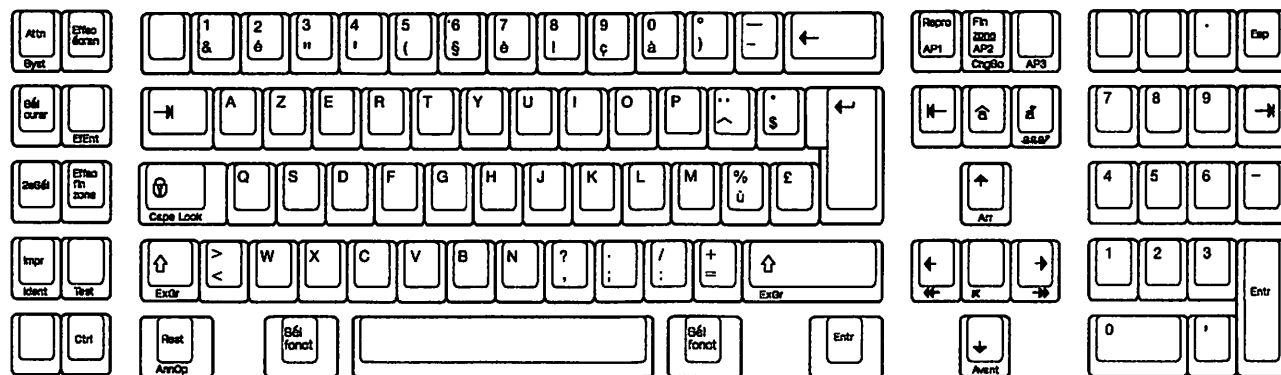


**French**  
(Q121 = 30)

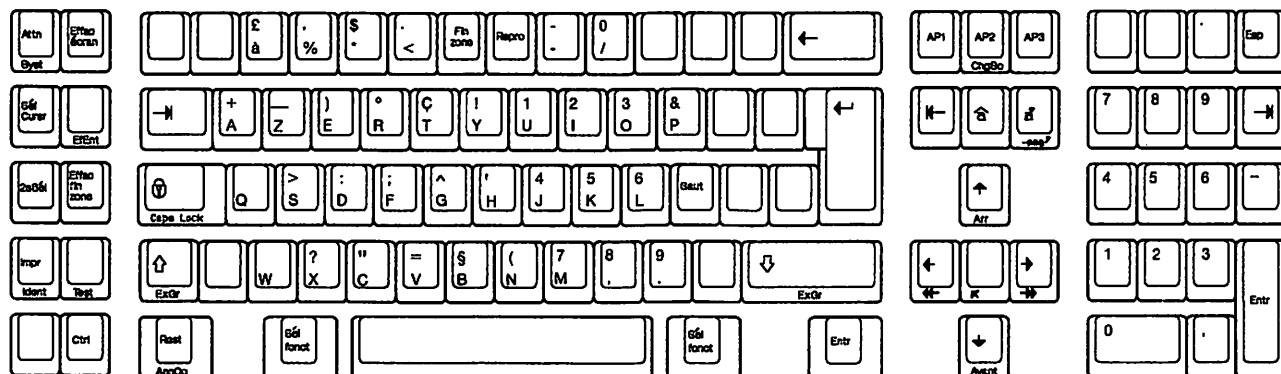
**Typewriter**



This group of keys is common to all keyboards.

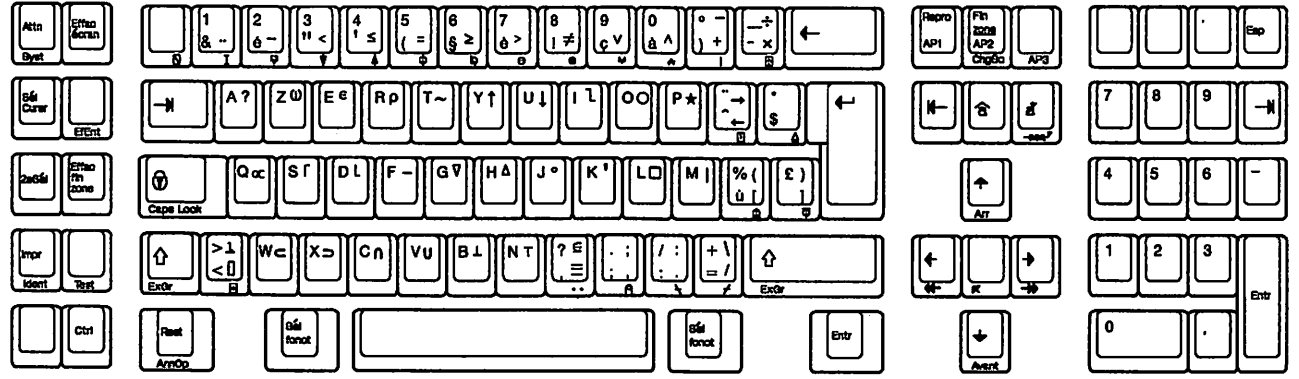


**Data Entry**



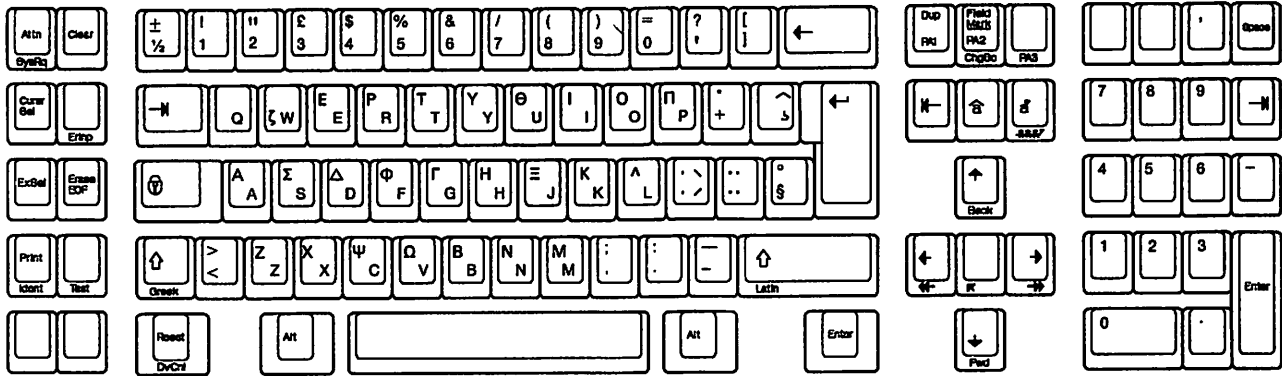
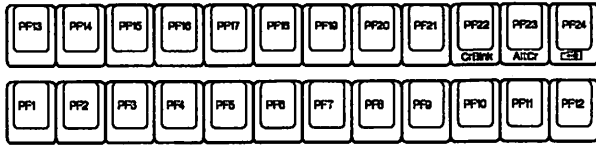
# French

## APL



**Greek**  
(Q121 = 36)

**Typewriter**

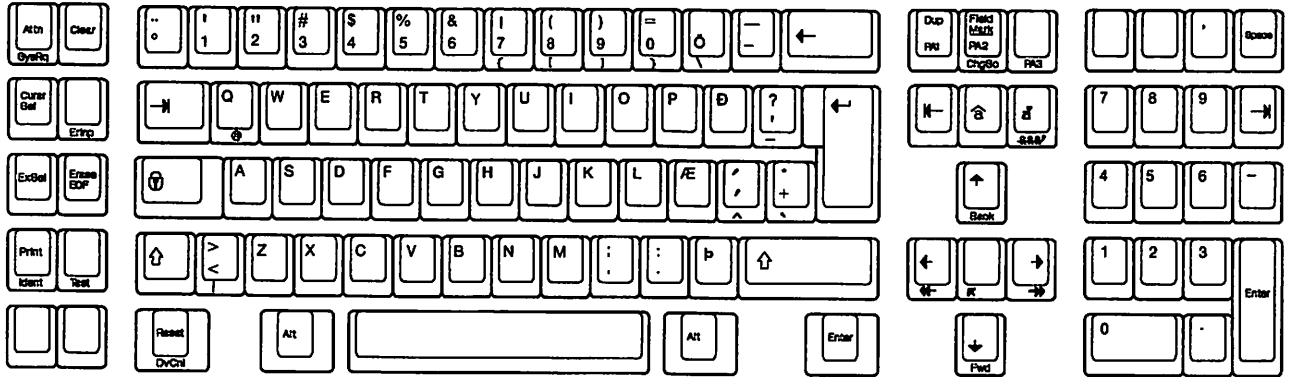
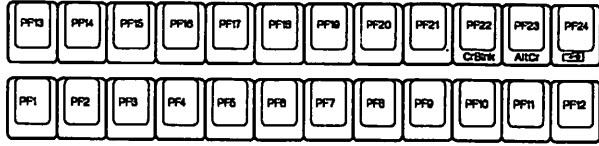


# Icelandic

## Icelandic

(Q121 = 37)

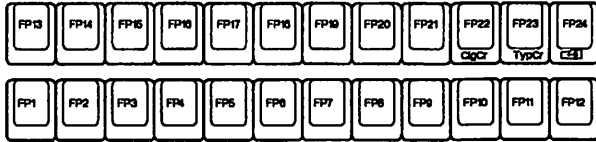
### Typewriter



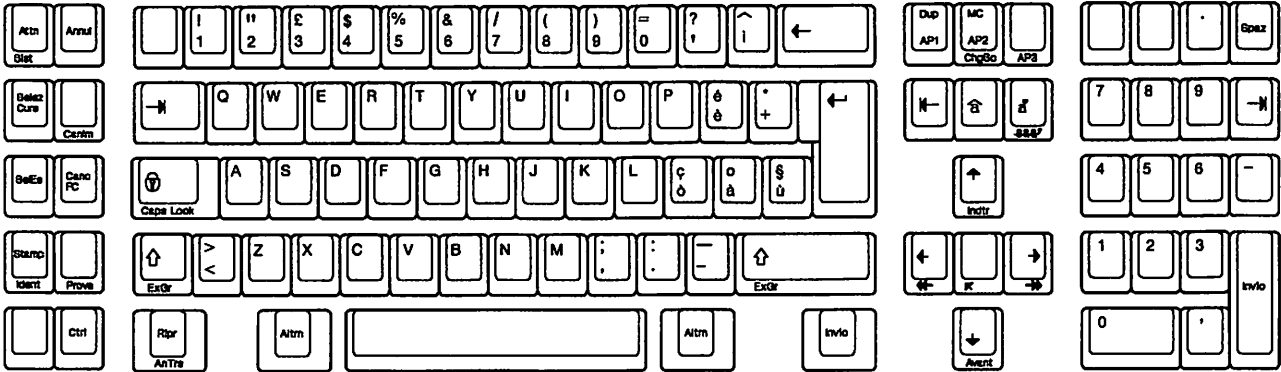


**Italian**  
(Q121 = 15)

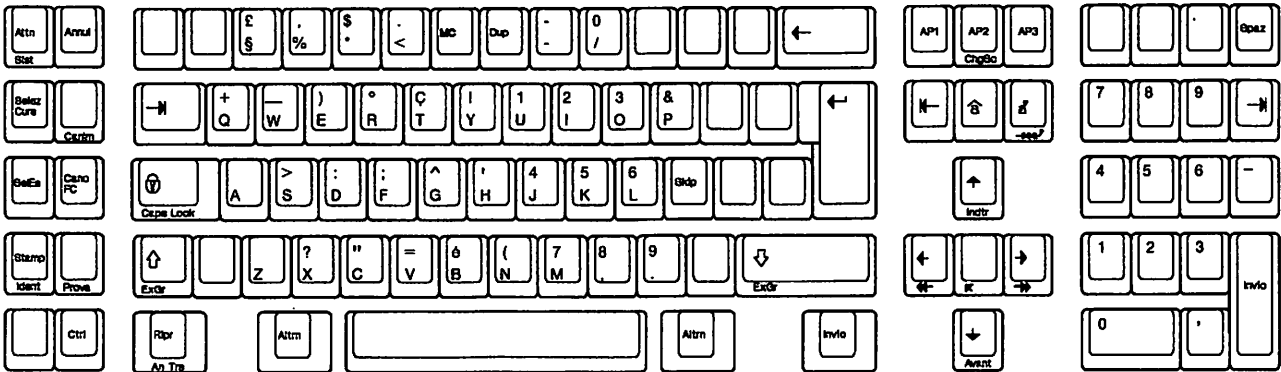
**Typewriter**



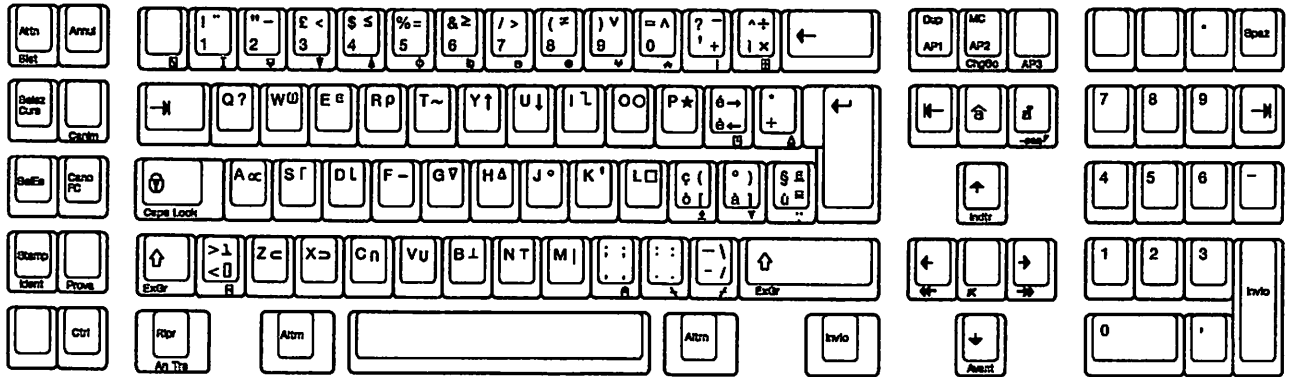
This group of keys is common to all keyboards.



**Data Entry**



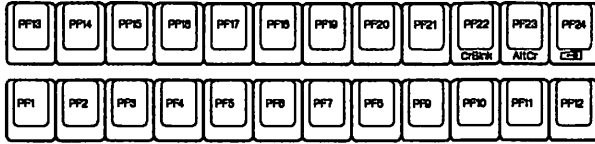
APL



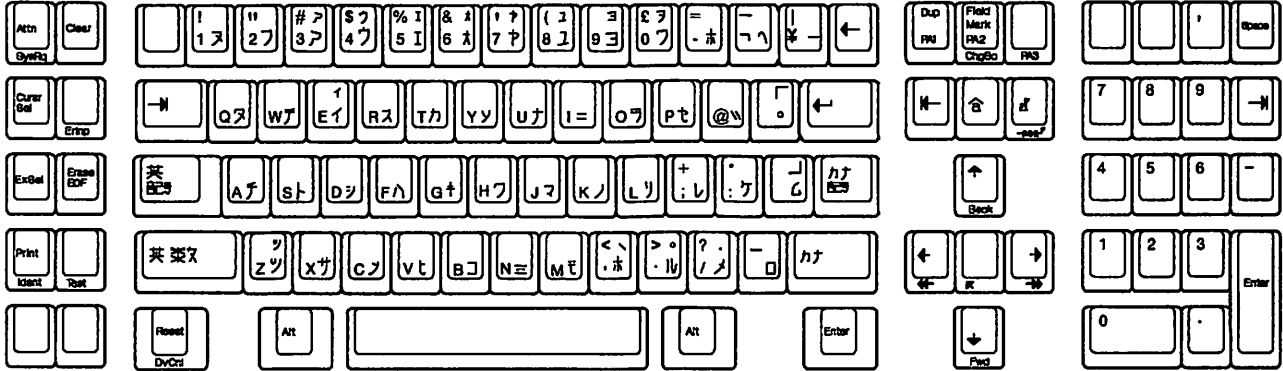
# Japanese Katakana

(Q121 = 17)

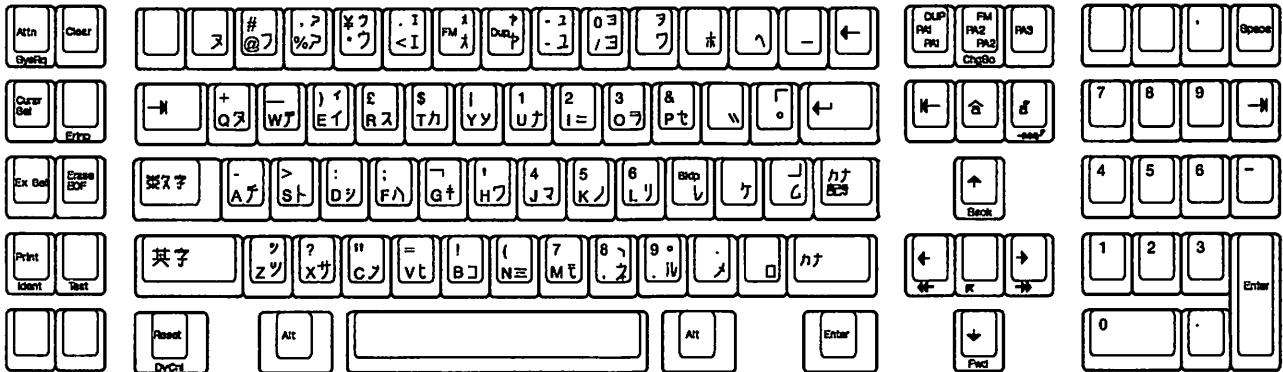
## Typewriter



This group of keys is common to all keyboards.



## Data Entry



Japanese Katakana

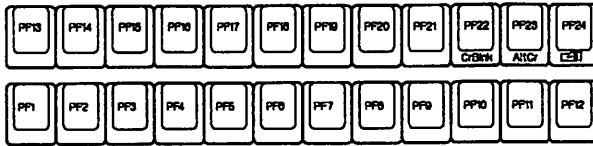
APL

Attn DvCn	Clear		1 1	2 2	3 3	4 4	5 5	6 6	7 7	8 8	9 9	0 0	- +	↑ ↓	←	Dup RM	Find RM	Find RM	Find RM	Space		
Cursor Get	Enter	←	? Q	W W	E E	P R	~ T	↑ Y	↓ U	L =	O O	*	→	Γ	←	←	合	z	7	8	9	←
Ex Get	Enter Exit	←	oc A	r S	L D	- F	v G	Δ H	o J	i K	□ L	+ (	)	E	h	↑	←		4	5	6	-
Print Ident	Rest	←	←	c z	x	n G	u v	l B	t N	i M	<	>	? 1	z	h	←	←	→	1	2	3	Enter
		Reset DvCn	Alt				Alt				Enter		↓	←	→	↓	←	→	0	.	Enter	

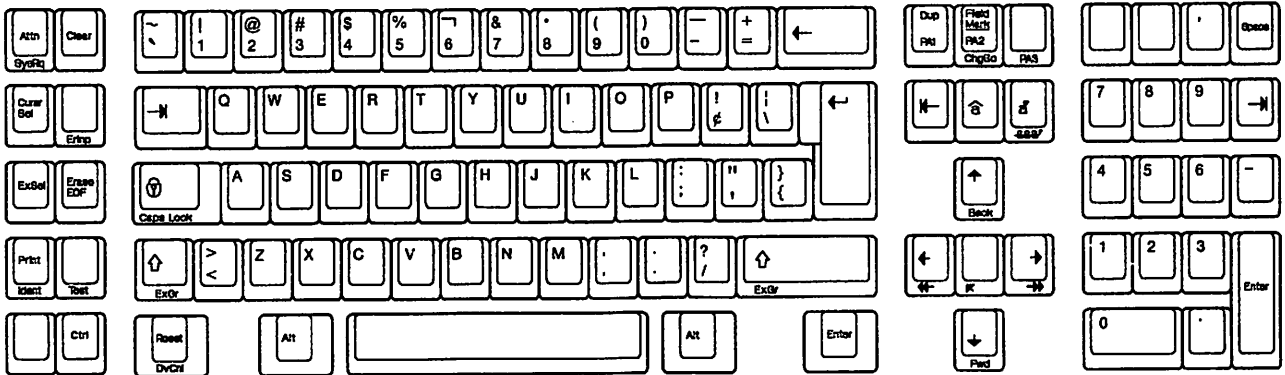
# Netherlands

(Q121 = 47)

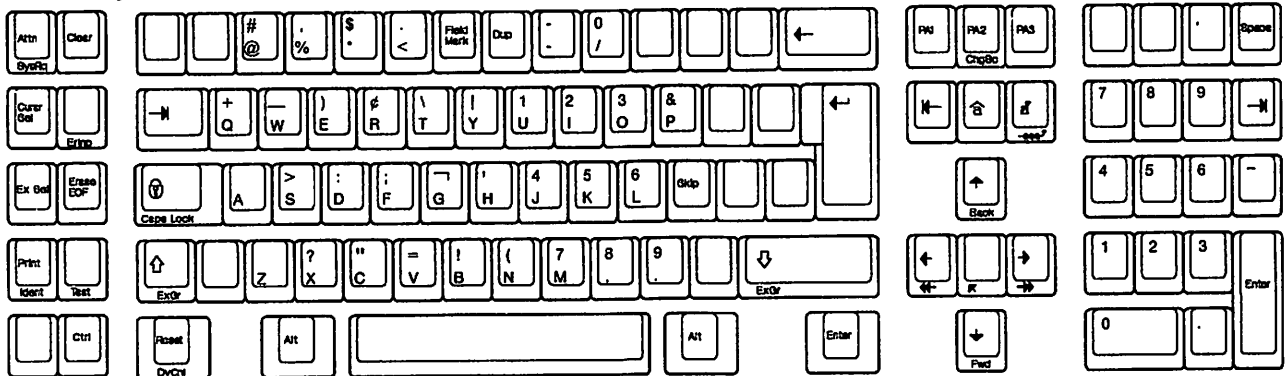
## Typewriter



This group of keys is common to all keyboards.

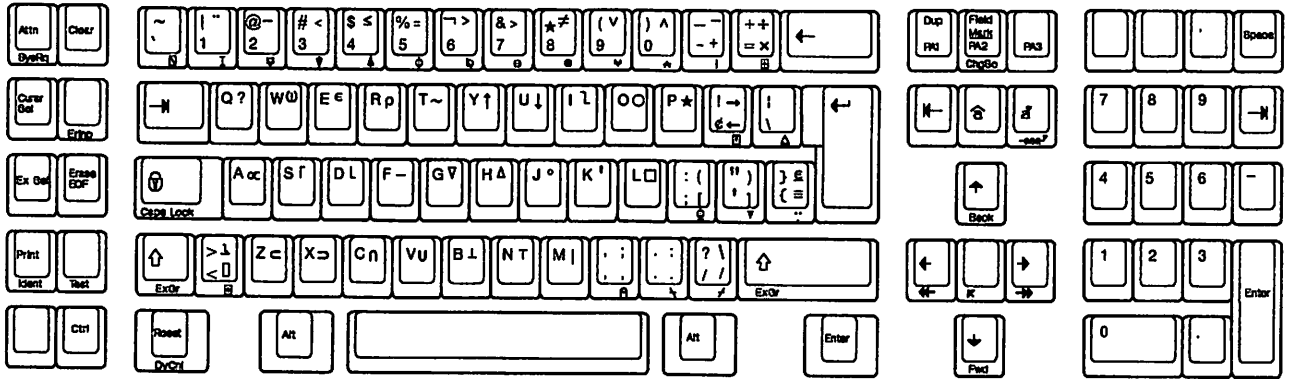


## Data Entry



# Netherlands

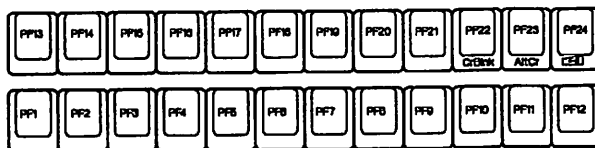
## APL



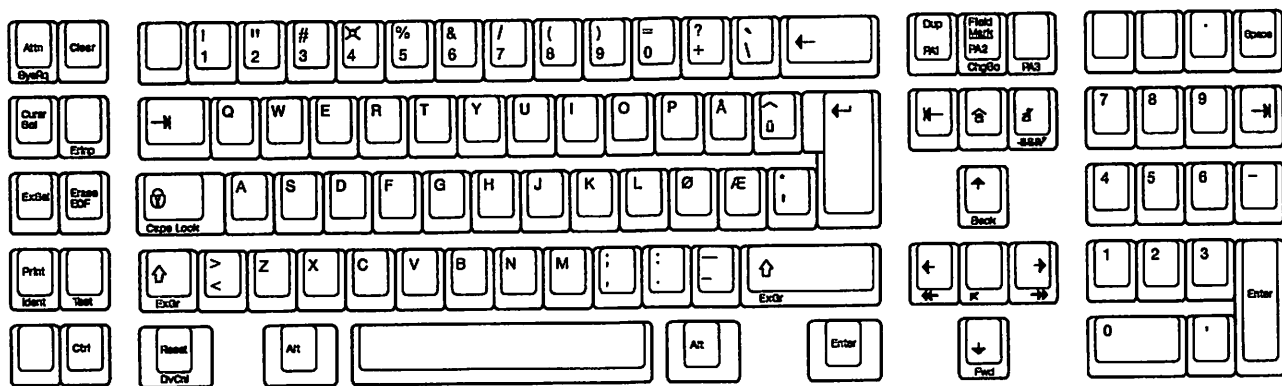
# Norwegian

(Q121 = 23)

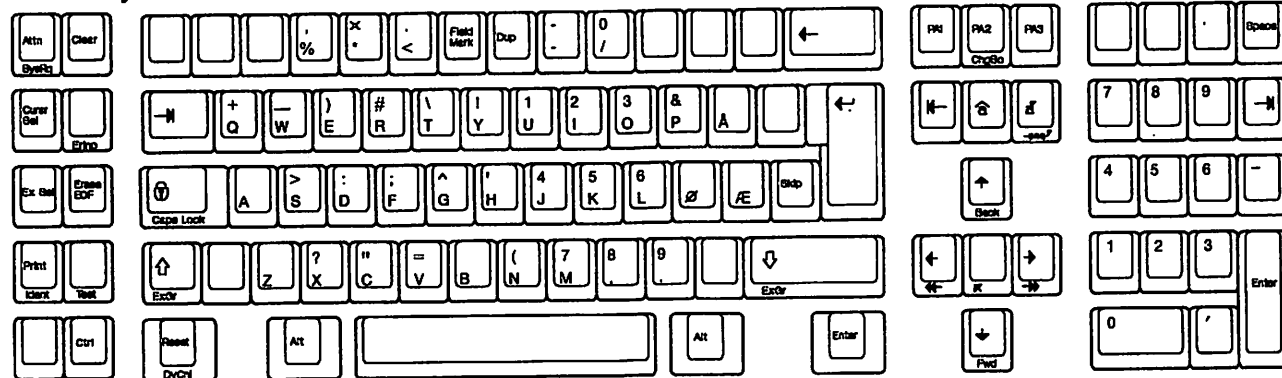
## Typewriter



This group of keys is common to all keyboards.

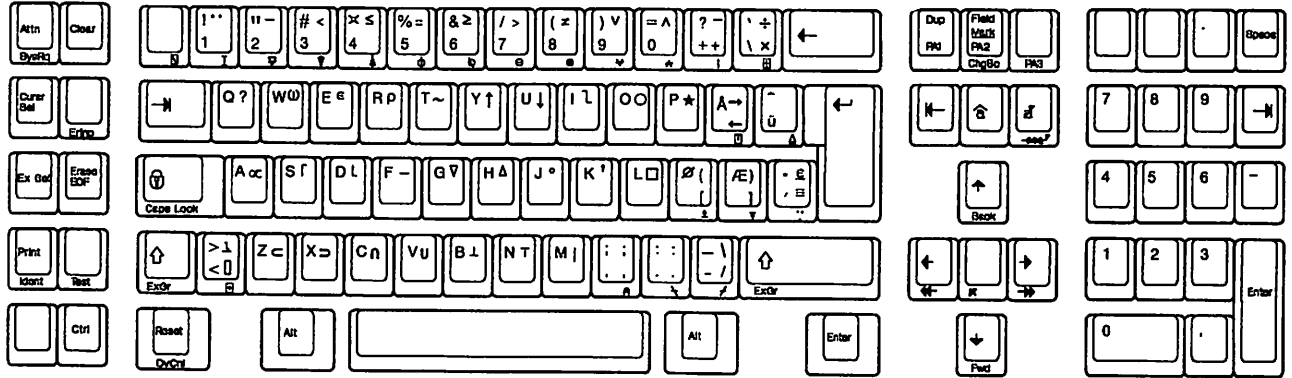


## Data Entry



# Norwegian

## APL

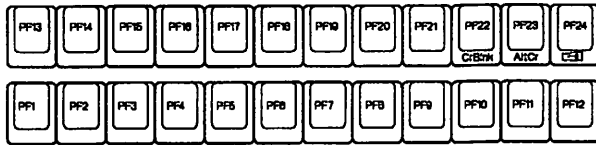




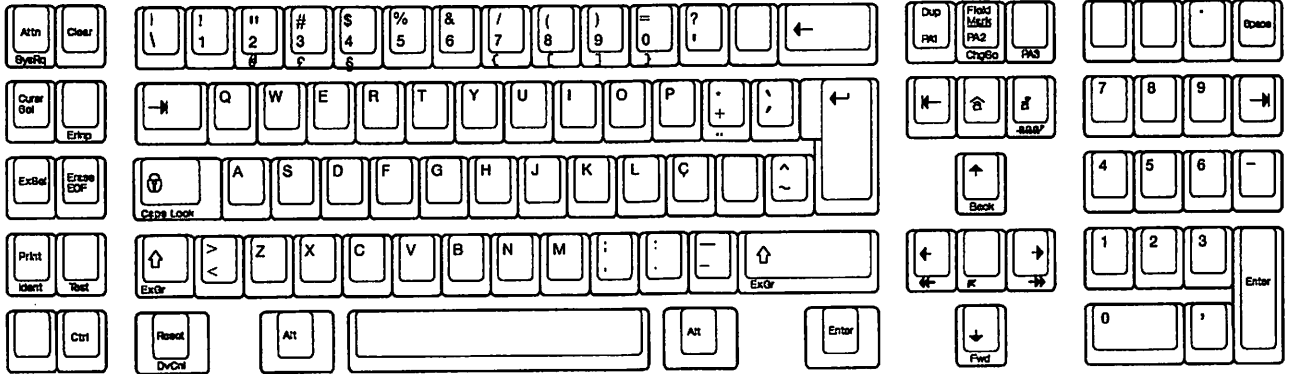
# Portuguese

(Q121 = 28)

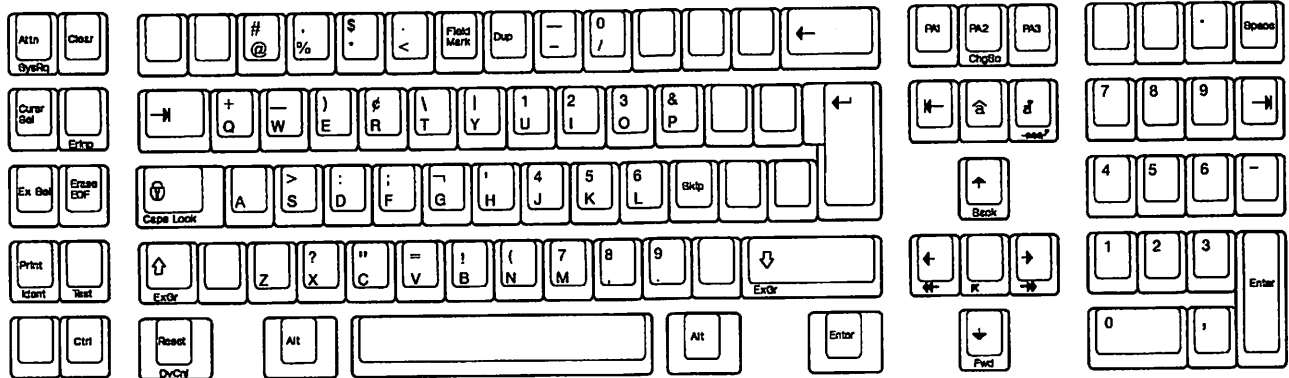
## Typewriter



This group of keys is common to all keyboards.



## Data Entry

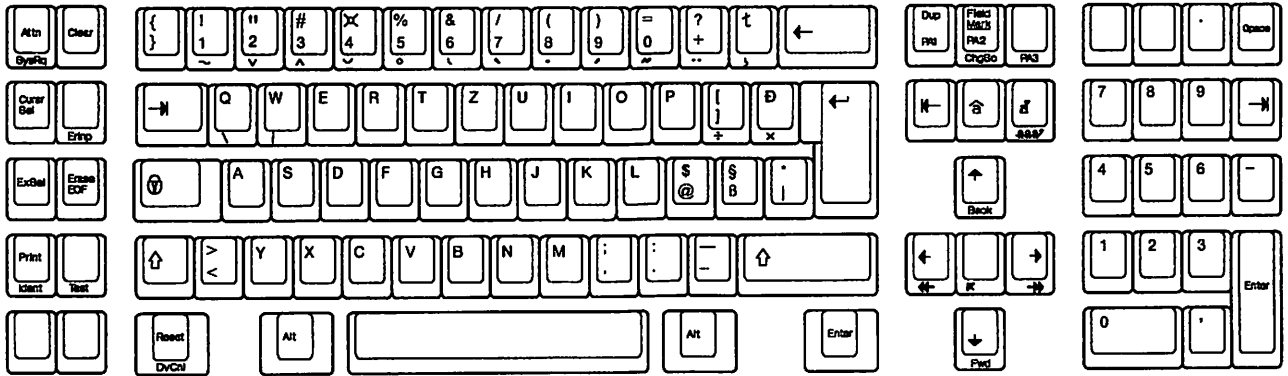
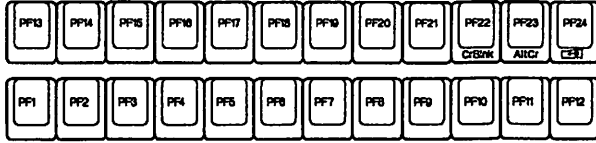




# ROECE Latin

(Q121 = 38)

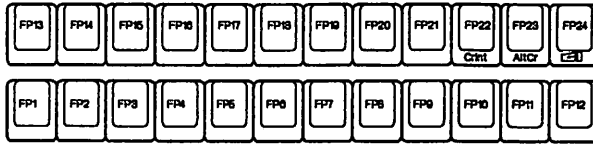
## Typewriter



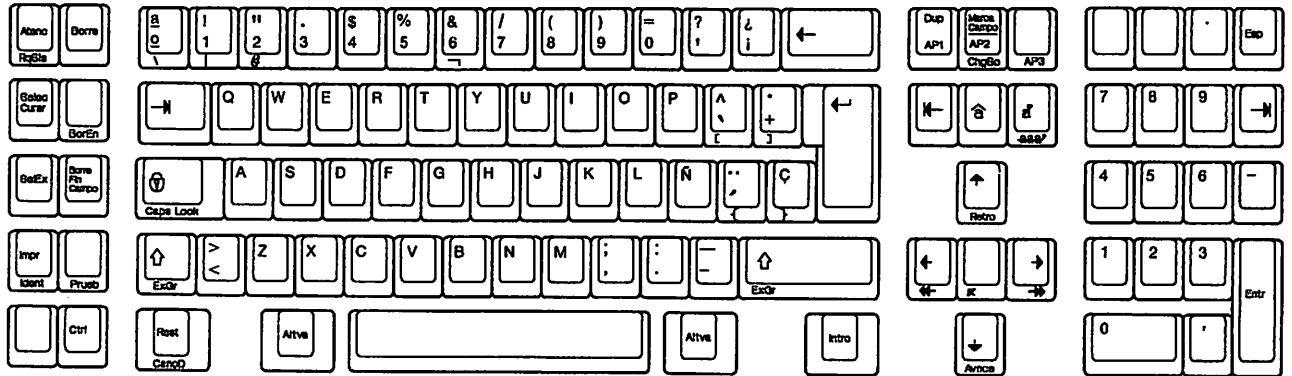
### Spanish

(Q121 = 19)

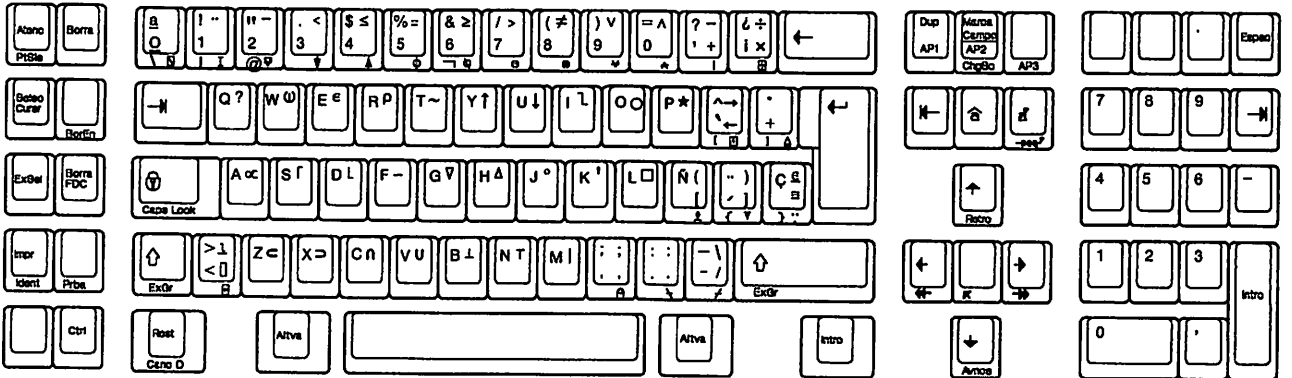
#### Typewriter



This group of keys is common to all keyboards.



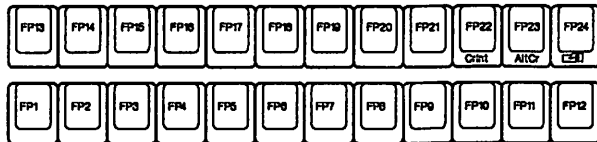
#### APL



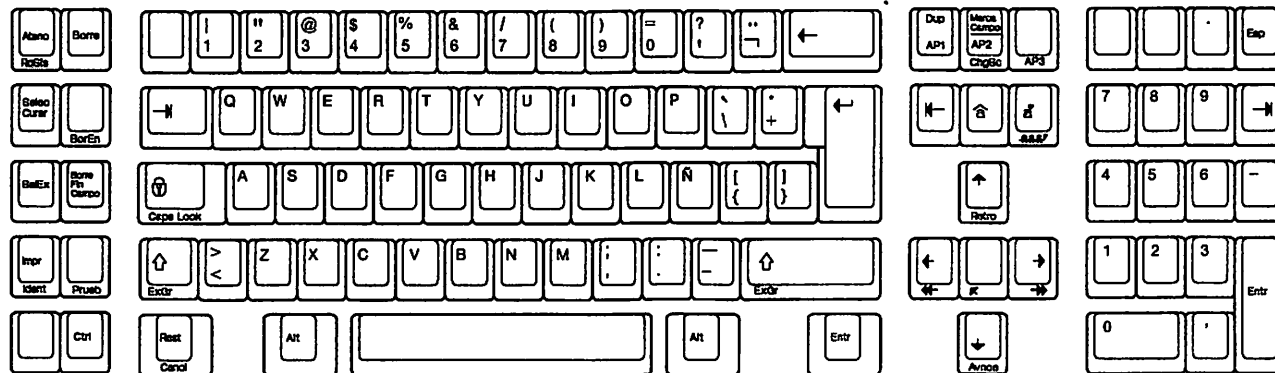
# Spanish-Speaking

(Q121 = 21)

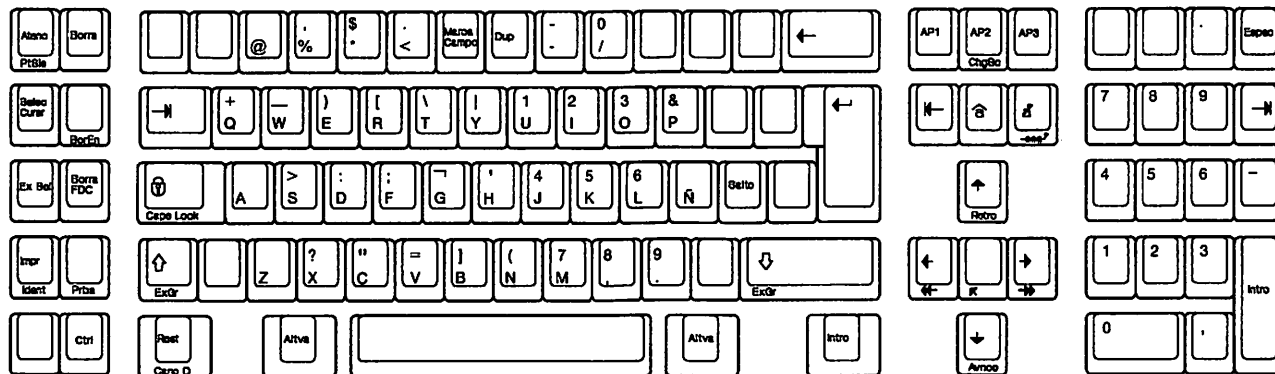
## Typewriter



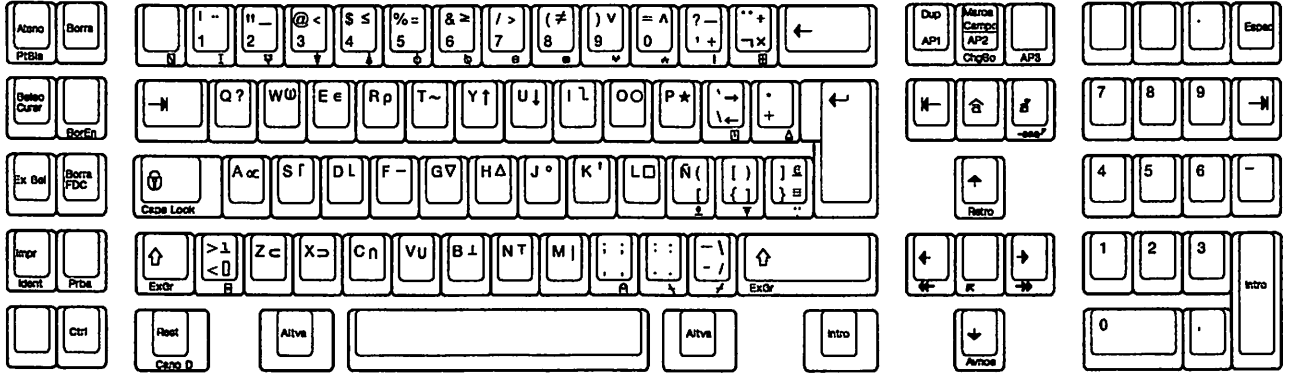
This group of keys is common to all keyboards.



## Data Entry



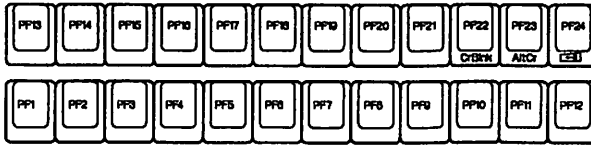
APL



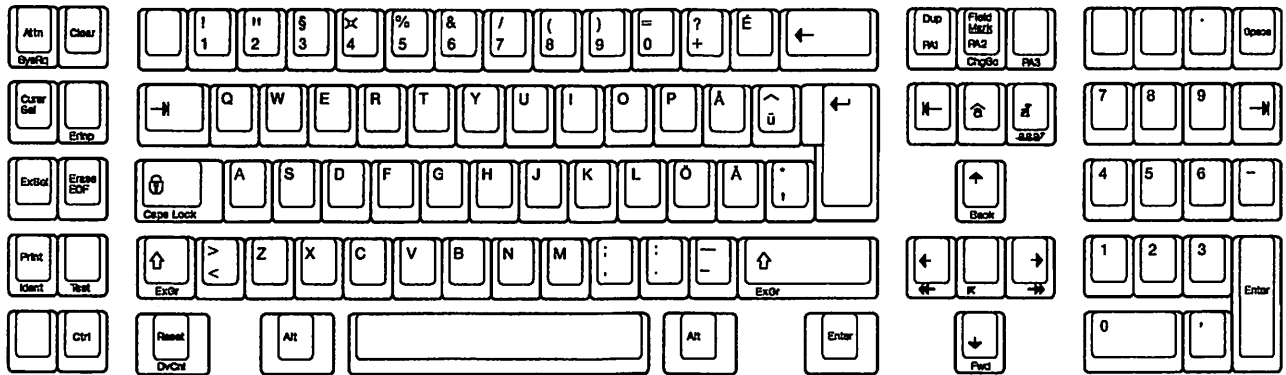
# Swedish

(Q121 = 24)

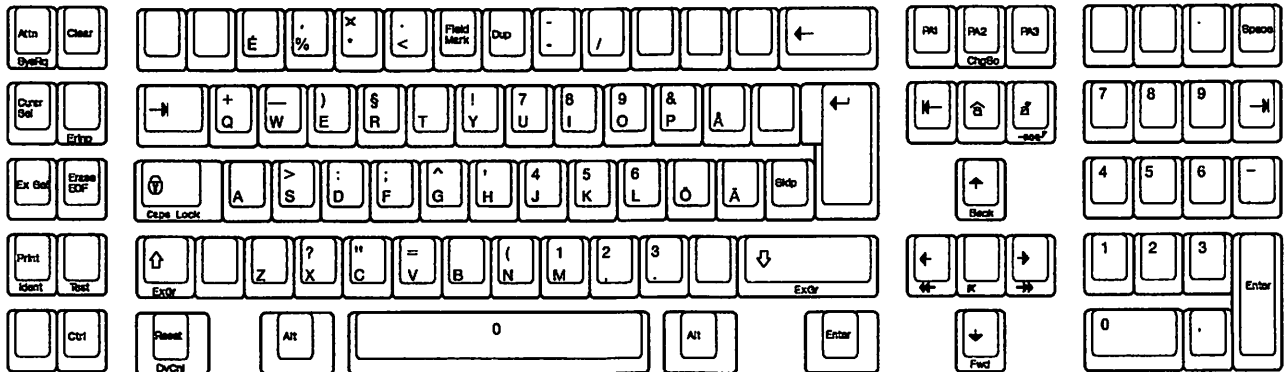
## Typewriter



This group of keys is common to all keyboards.

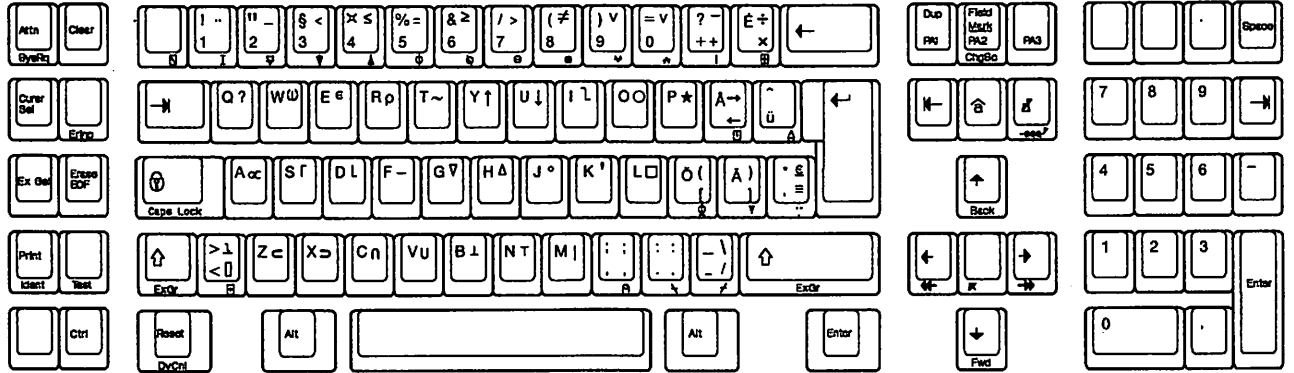


## Data Entry



# Swedish

## APL

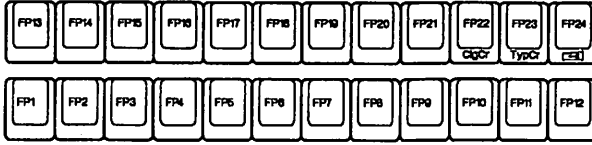




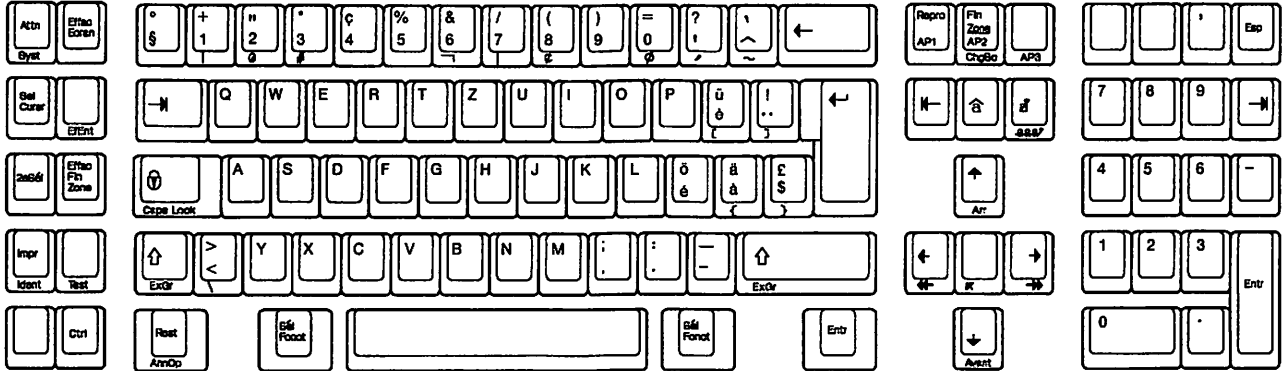
# Swiss-French (New)

(Q121 = 41)

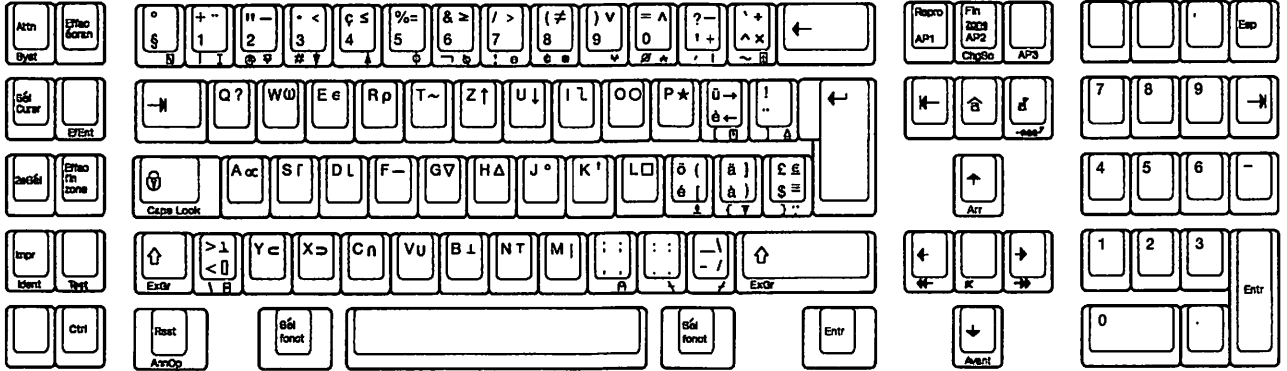
## Typewriter



This group of keys is common to all keyboards.



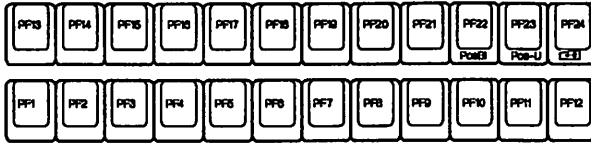
## APL



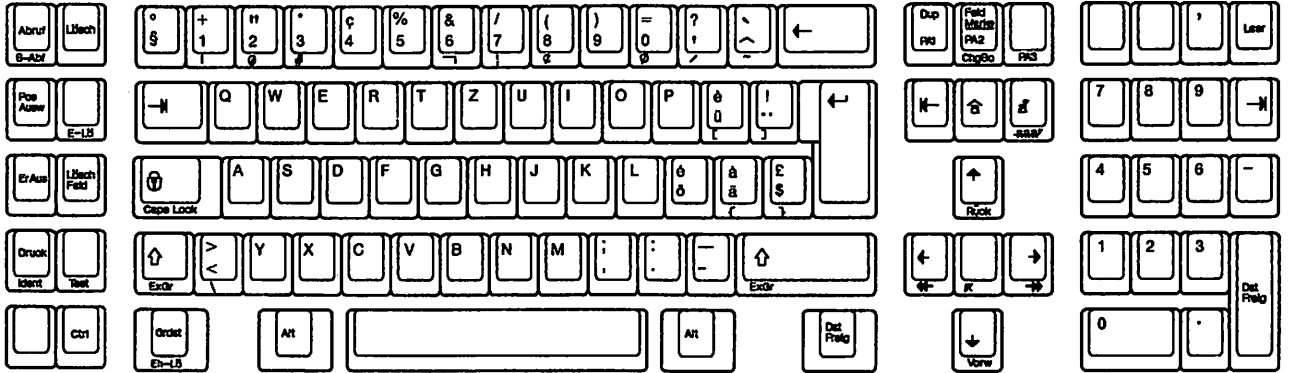
# Swiss-German (New)

(Q121 = 42)

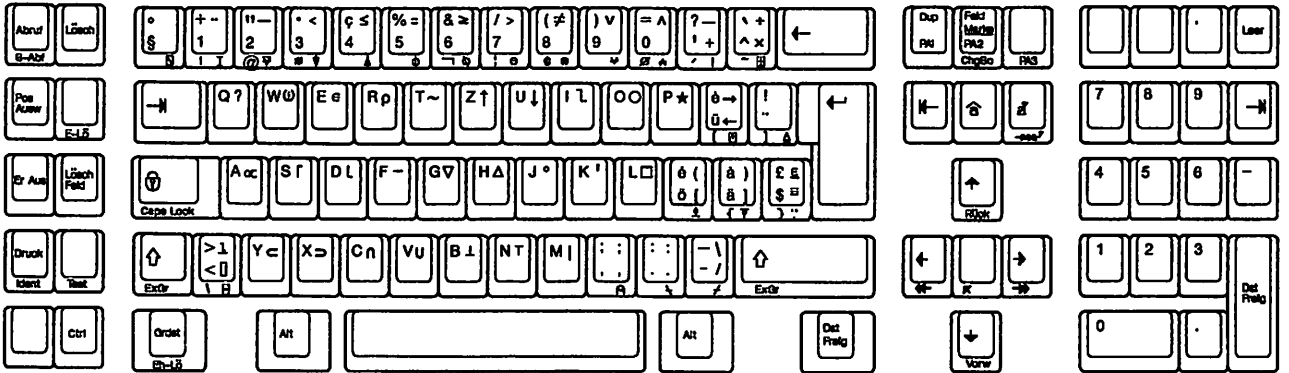
## Typewriter



This group of keys is common to all keyboards.



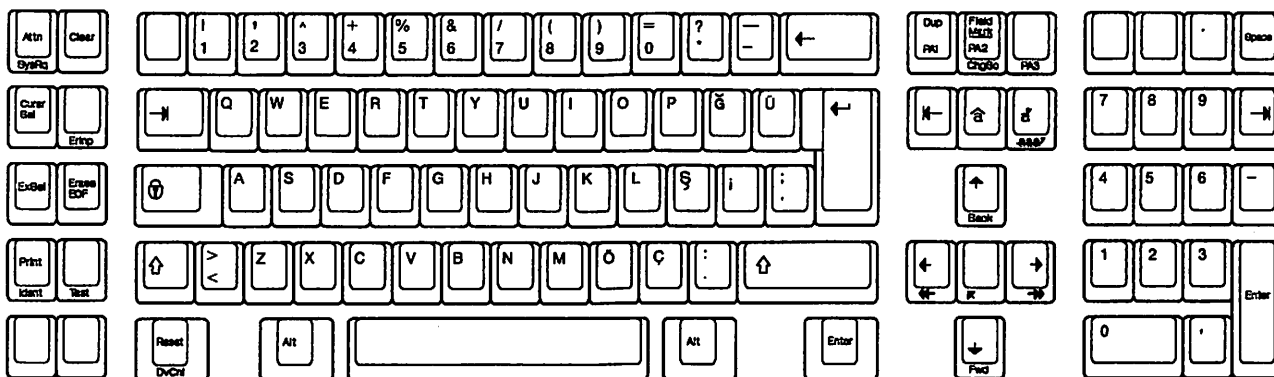
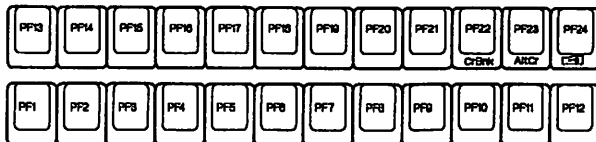
## APL



# Turkish

(Q121 = 39)

## Typewriter

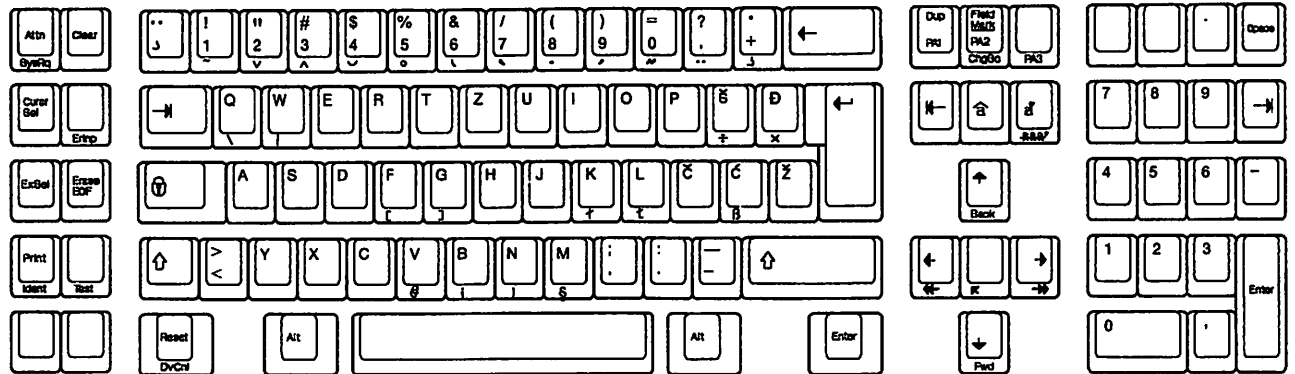
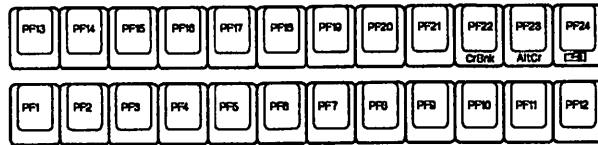


# Yugoslav

## Yugoslav

(Q121 = 40)

### Typewriter



# Chapter 4. Enhanced Keyboards

This chapter provides descriptions and layouts for the IBM Enhanced keyboards.

## Keyboard Descriptions

The IBM Enhanced keyboard is available only in the typewriter version. The U.S.A. English is a 102-key keyboard. The National Language keyboards have 103 keys and the Japanese Katakana keyboard has 104 keys.

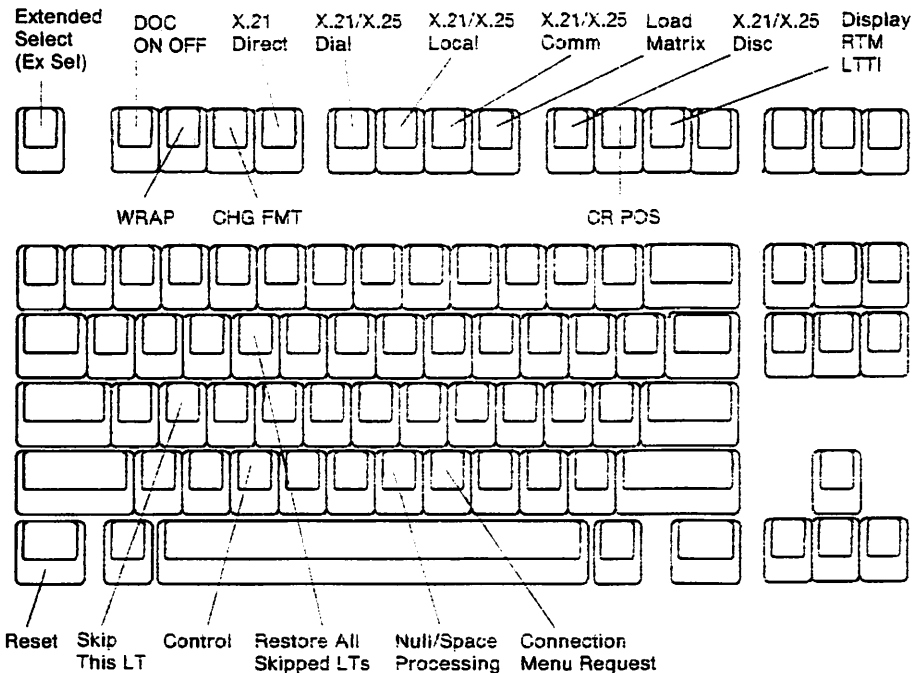
The following terminals use the Enhanced keyboard:

- IBM 3191 Display Station Models A20 and B20
- IBM 3192 Display Station Models C20, D20, F20, G20, L20, and W20
- IBM 3193 Display Station Model 2
- IBM 3471 InfoWindow
- IBM 3472 InfoWindow.

## Extended Select Functions

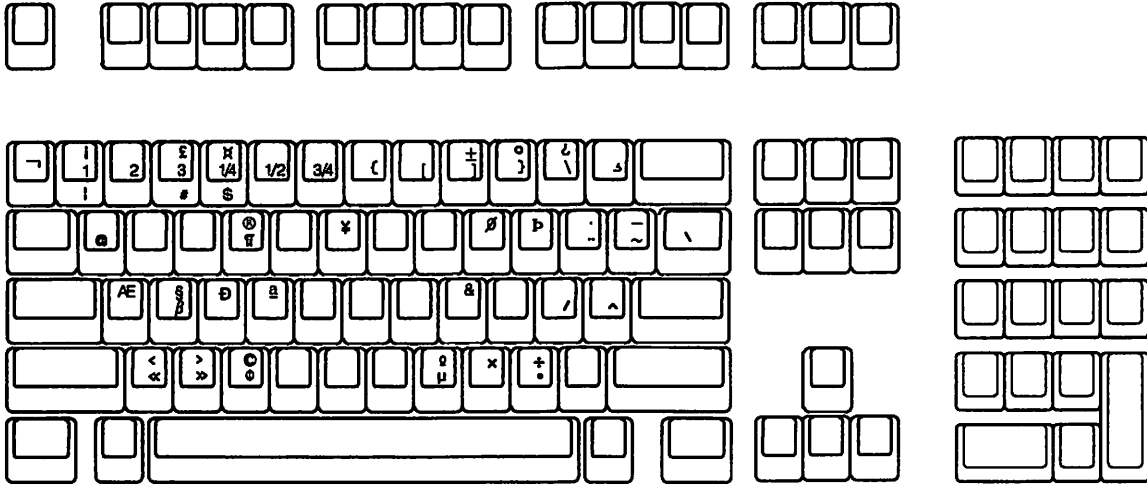
The following layout shows the functions that are enabled after invoking Extension/Extended Select mode. Descriptions of the functions are found in the *3174 Functional Description*.

A description of the Entry Assist functions is found in the *Entry Assist User's Guide*, GA23-0119.



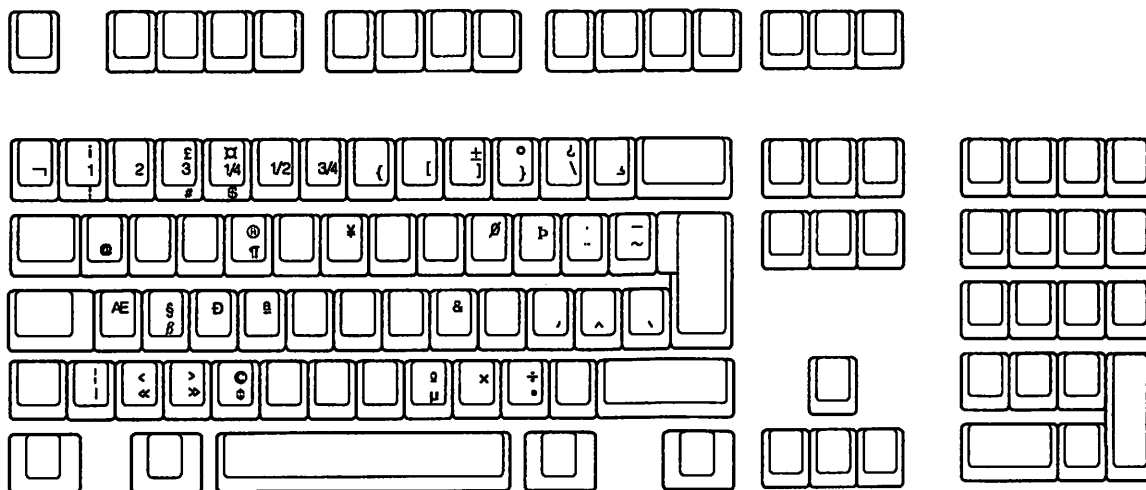
## Extended Graphics Functions

The following layouts show the functions that are enabled after invoking Extended Graphics (ExGr) mode. A description is found in the 3174 Functional Description.



The following language is supported for this function and layout:

English (U.S.A.) Q121=01.



The following languages are supported for this function and layout:

Austrian/German	Q121 = 03	Netherlands	Q121 = 47
Belgian (New)	Q121 = 43	Norwegian	Q121 = 23
Canadian Bilingual	Q121 = 29	Portuguese	Q121 = 28
Danish	Q121 = 07	Spanish	Q121 = 19
English (U.K.)	Q121 = 22	Spanish-Speaking	Q121 = 21
Finnish	Q121 = 09	Swedish	Q121 = 24
French	Q121 = 30	Swiss-French (New)	Q121 = 41
Italian	Q121 = 15	Swiss-German (New)	Q121 = 42

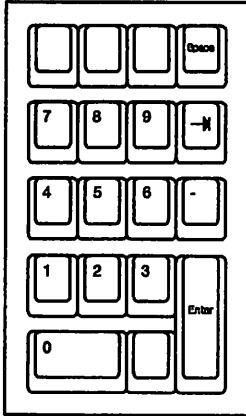
---

## Numeric Keypads

The following three configurations of the numeric keypads are available. Two configurations are optional—available (in native mode only) through modification of the standard National Language Numeric Keypad customization of the control unit.

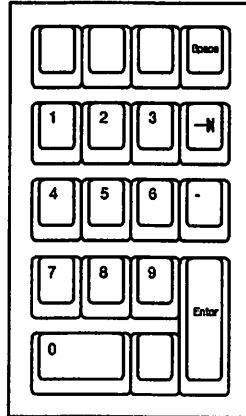
**National Language Numeric (standard)**

Q138 = 0



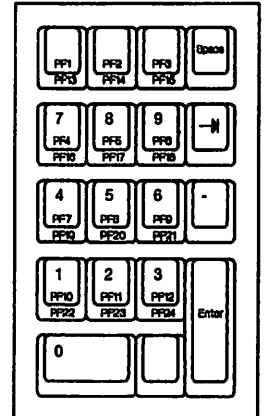
**Data Entry (optional)**

Q138 = 1



**Program Function (optional)**

Q138 = 2



---

## Keyboard Layouts

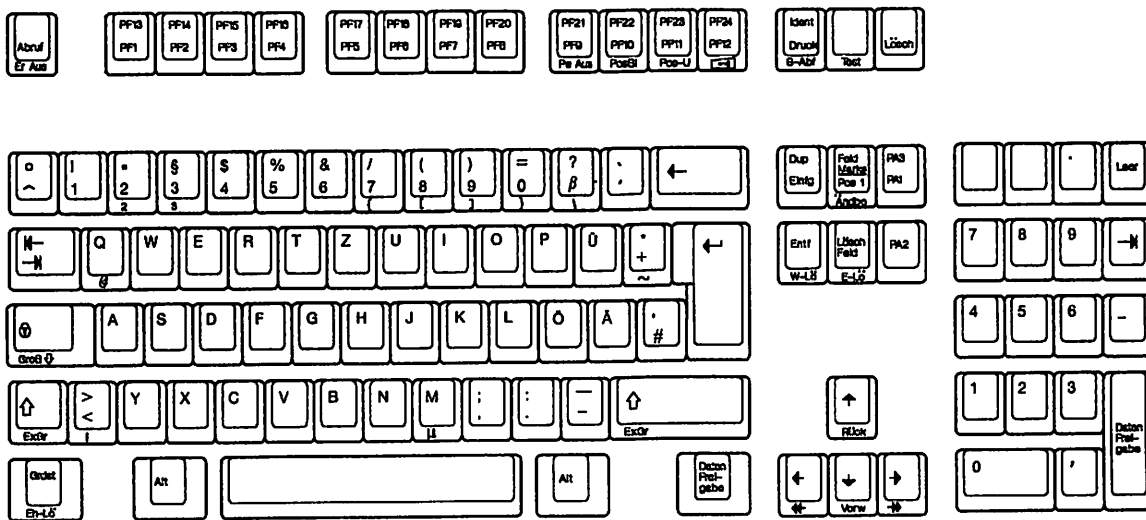
The remainder of this chapter shows the Converged keyboard layouts in the national languages supported by the 3174.



## Austrian/German

(Q121 = 03)

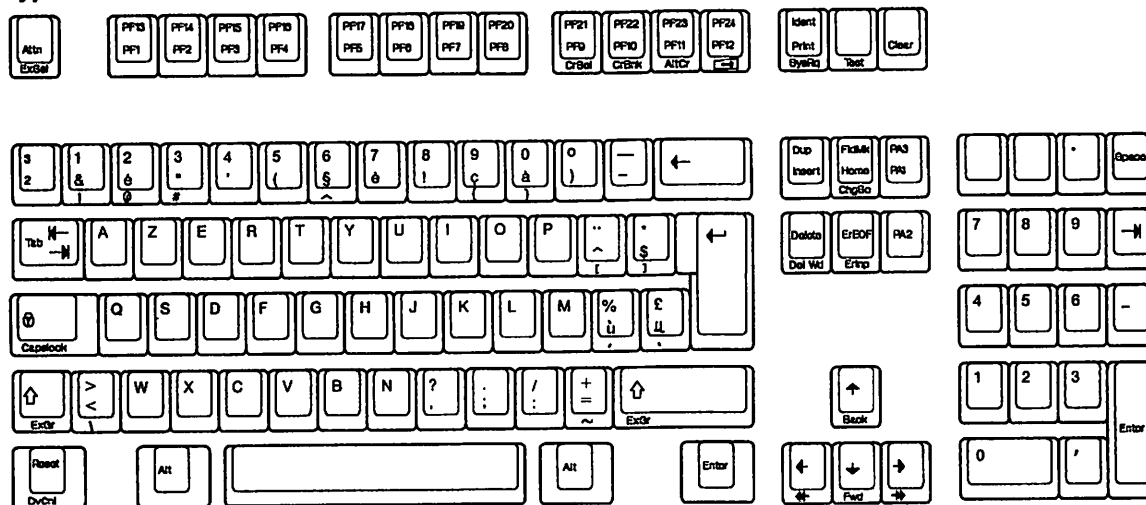
### Typewriter



## Belgian (New)

(Q121 = 43)

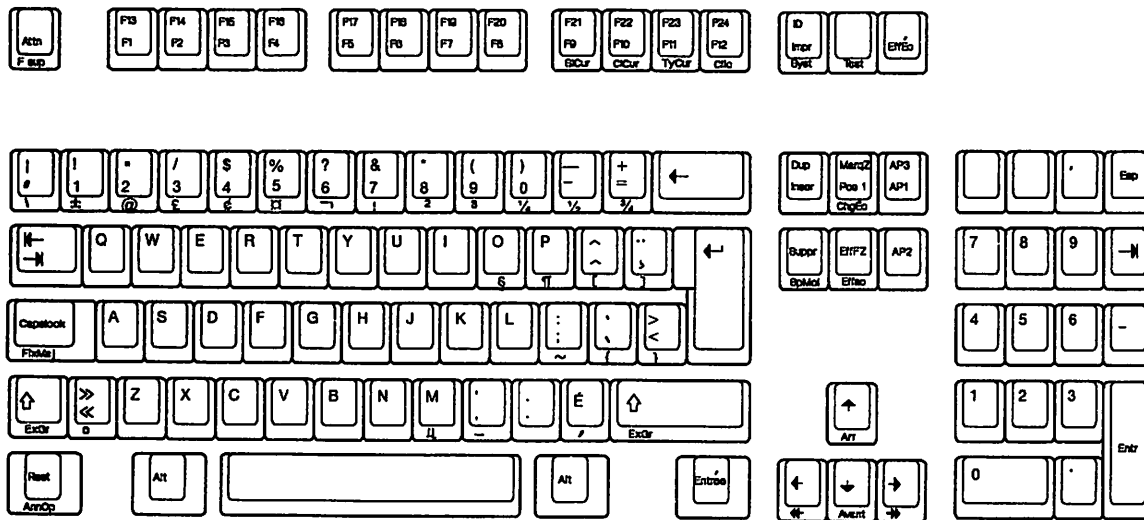
### Typewriter



# Canadian Bilingual

(Q121 = 29)

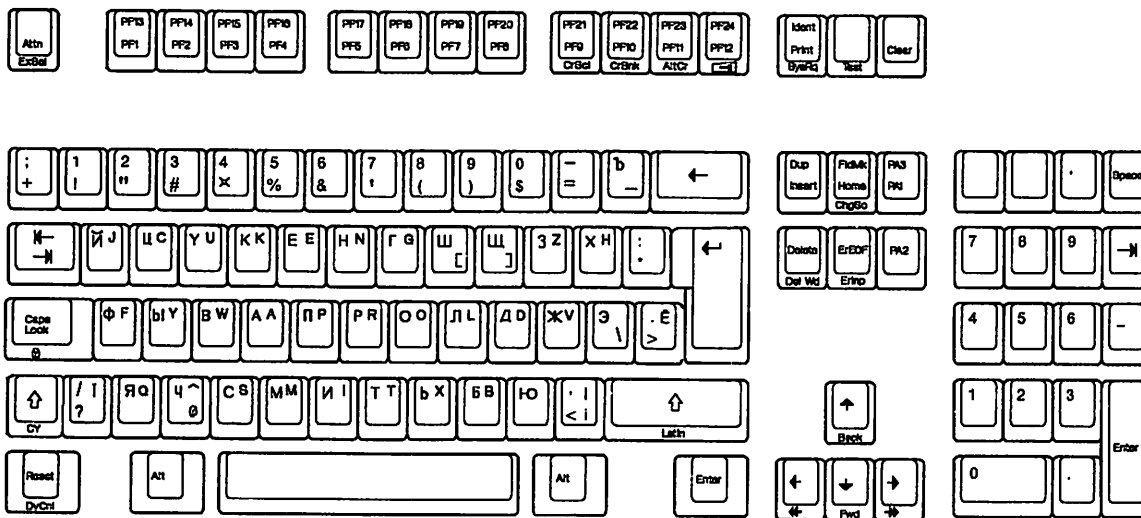
## Typewriter



## Cyrillic

(Q121 = 35)

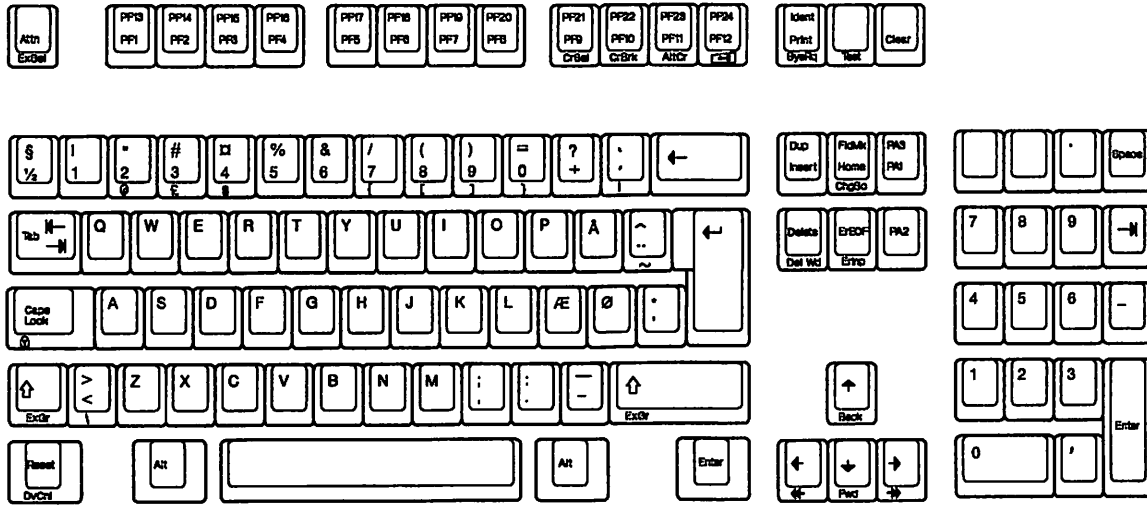
## Typewriter



## Danish

(Q121 = 07)

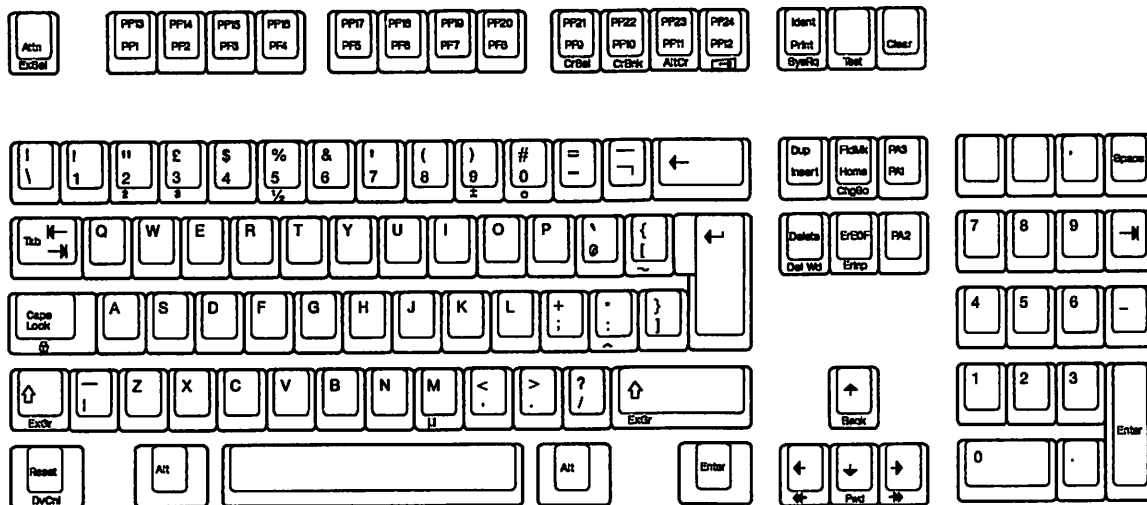
### Typewriter



## English (U.K.)

(Q121 = 22)

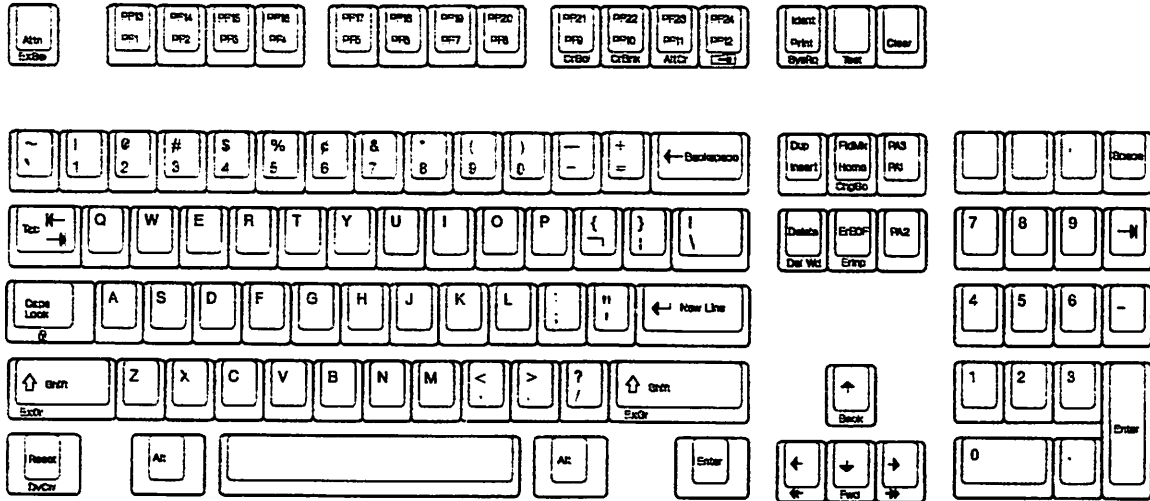
### Typewriter



### English (U.S.A.)

(Q121 = 01)

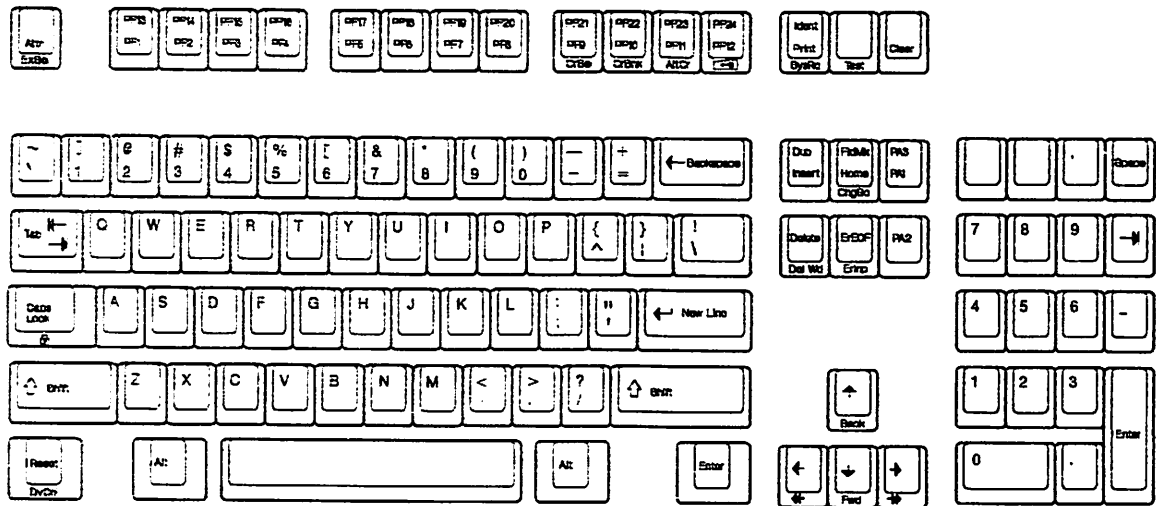
#### Typewriter



### English (U.S.A.) ASCII-7

(Q121 = 02)

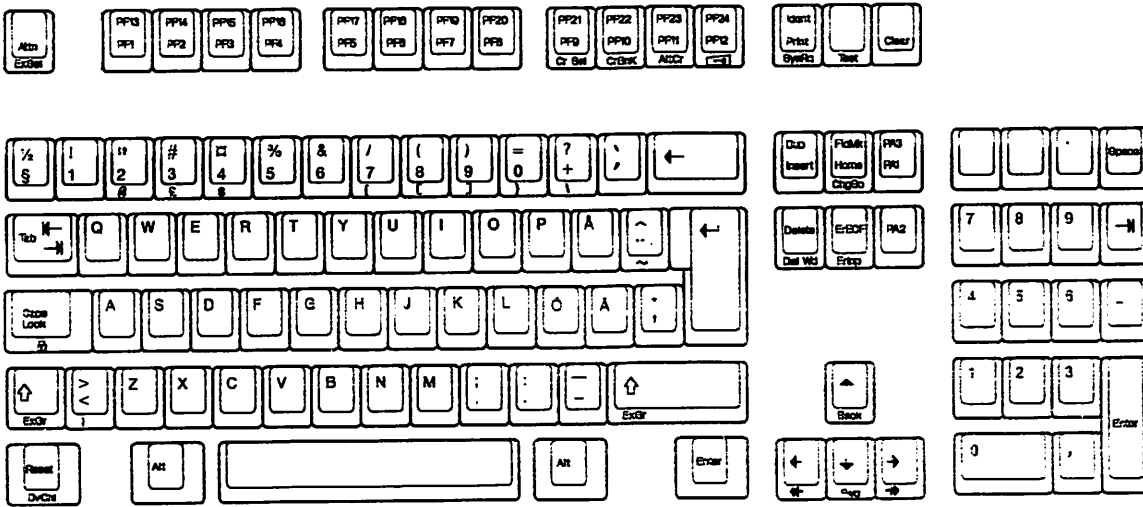
#### Typewriter



## Finnish

(Q121 = 09)

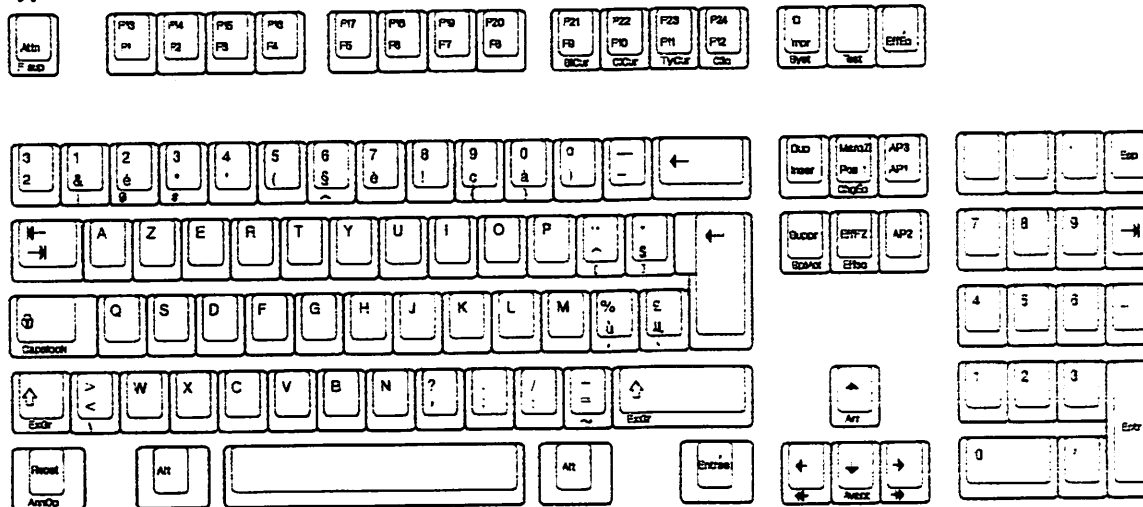
### Typewriter



## French

(Q121 = 30)

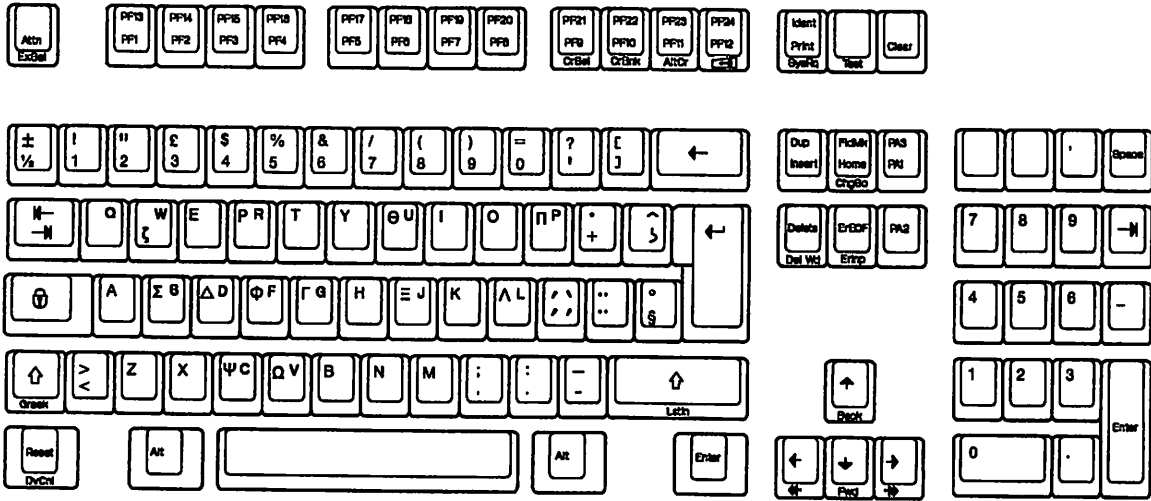
### Typewriter



## Greek

(Q121 = 36)

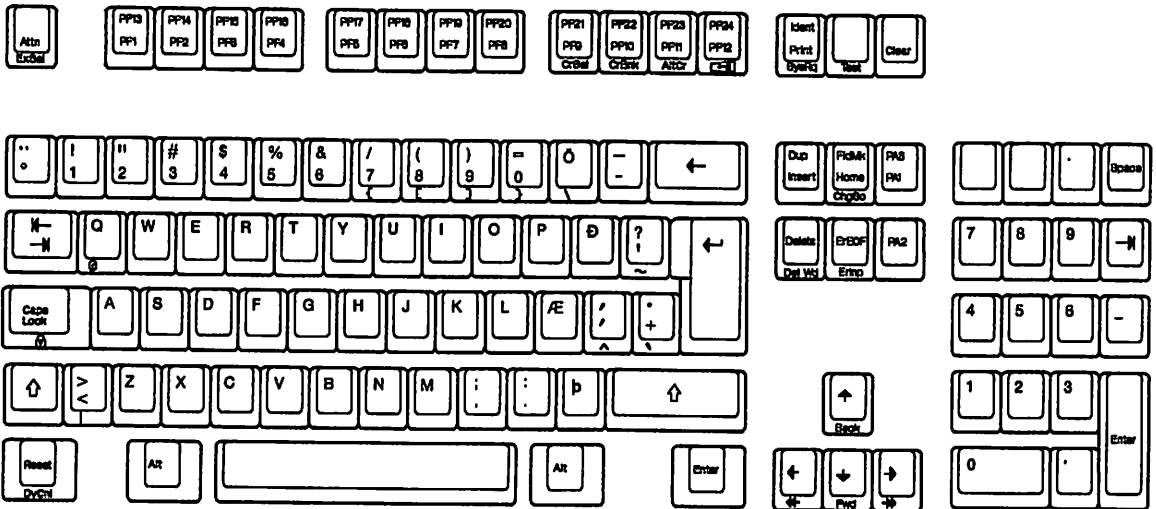
### Typewriter



## Icelandic

(Q121 = 37)

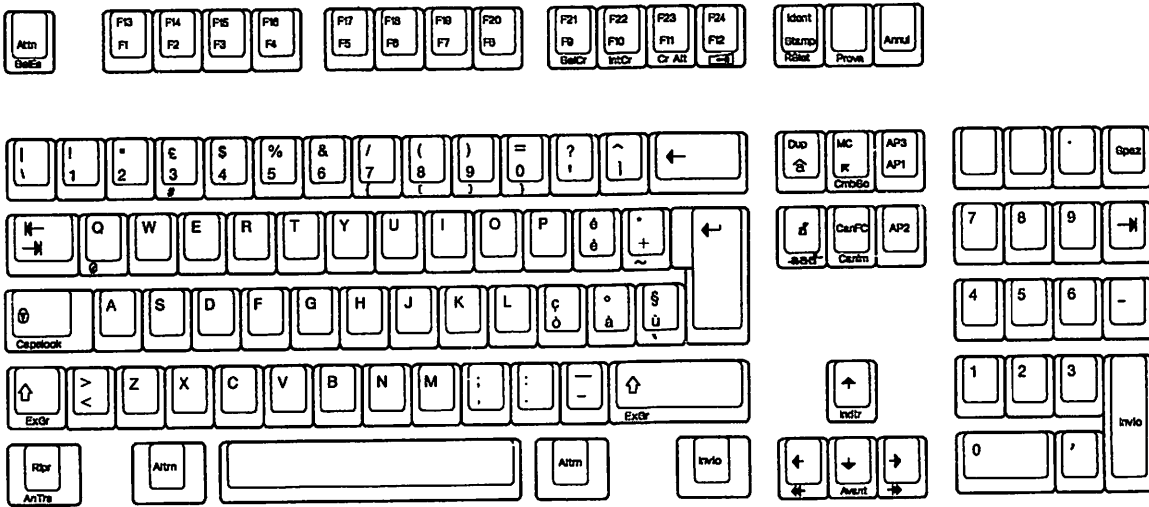
### Typewriter



## Italian

(Q121 = 15)

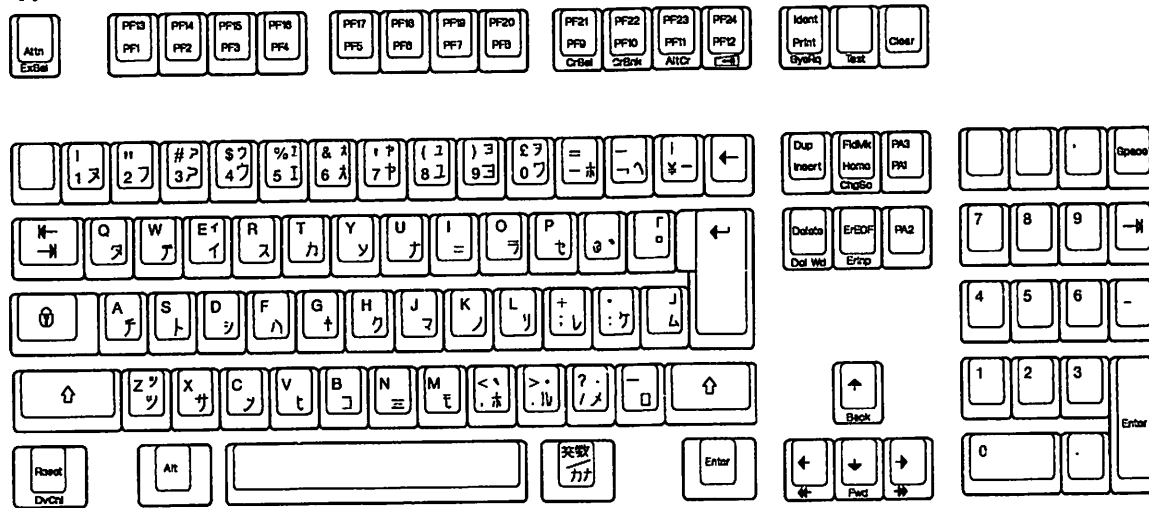
### Typewriter



## Japanese Katakana

(Q121 = 17)

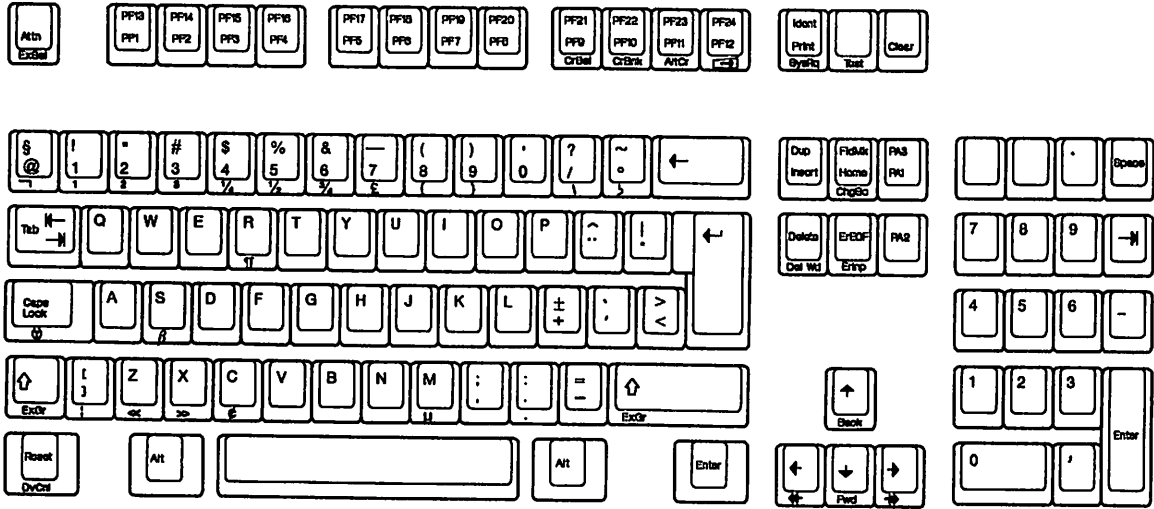
### Typewriter



## Netherlands

(Q121 = 47)

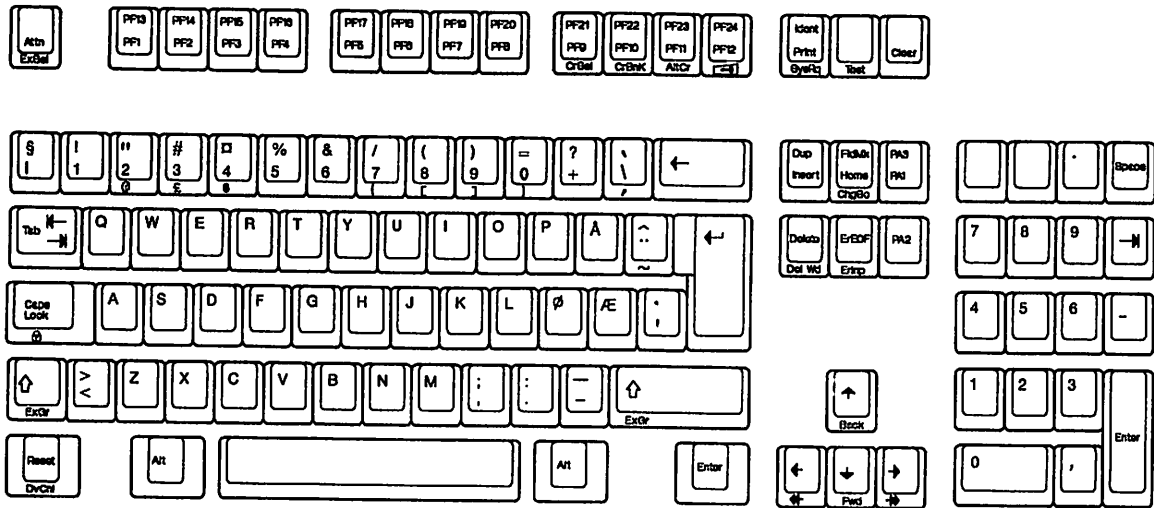
### Typewriter



## Norwegian

(Q121 = 23)

### Typewriter

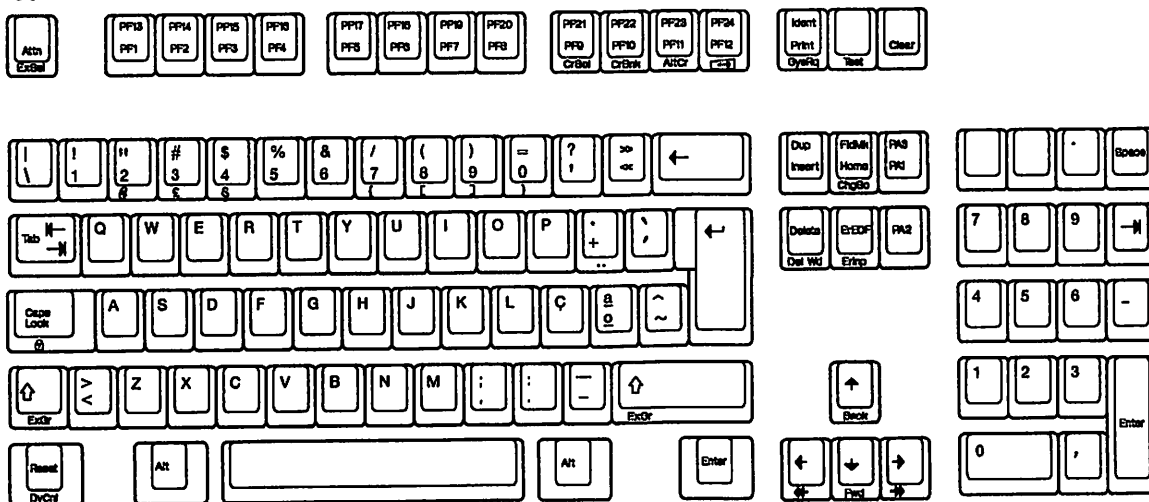




# Portuguese

(Q121 = 28)

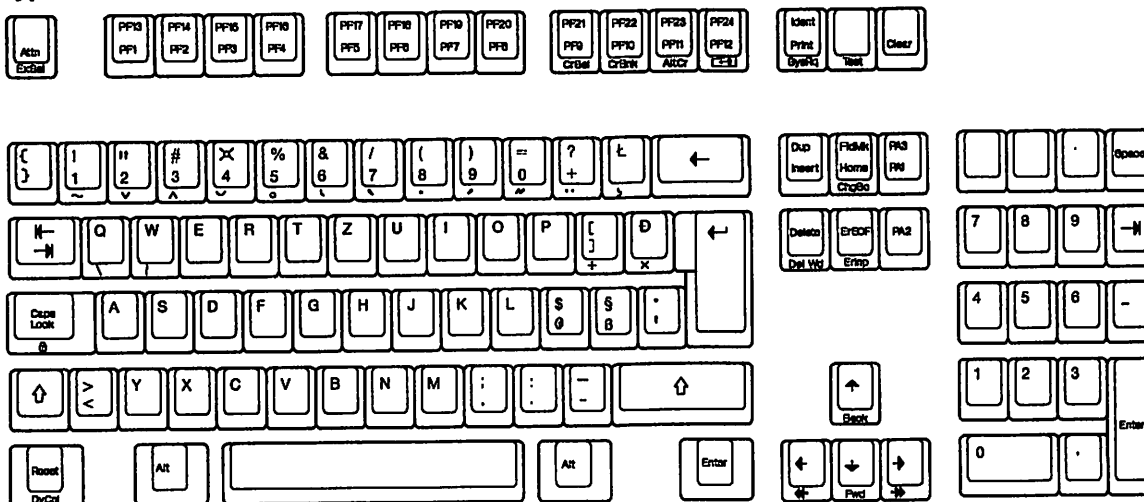
## Typewriter



# ROECE Latin

(Q121 = 38)

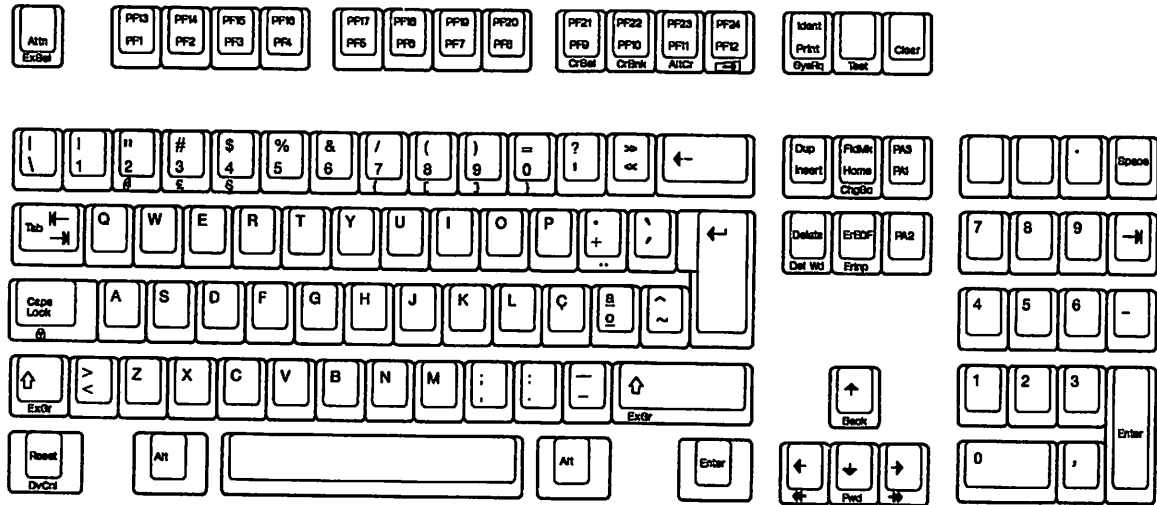
## Typewriter



# Spanish

(Q121 = 19)

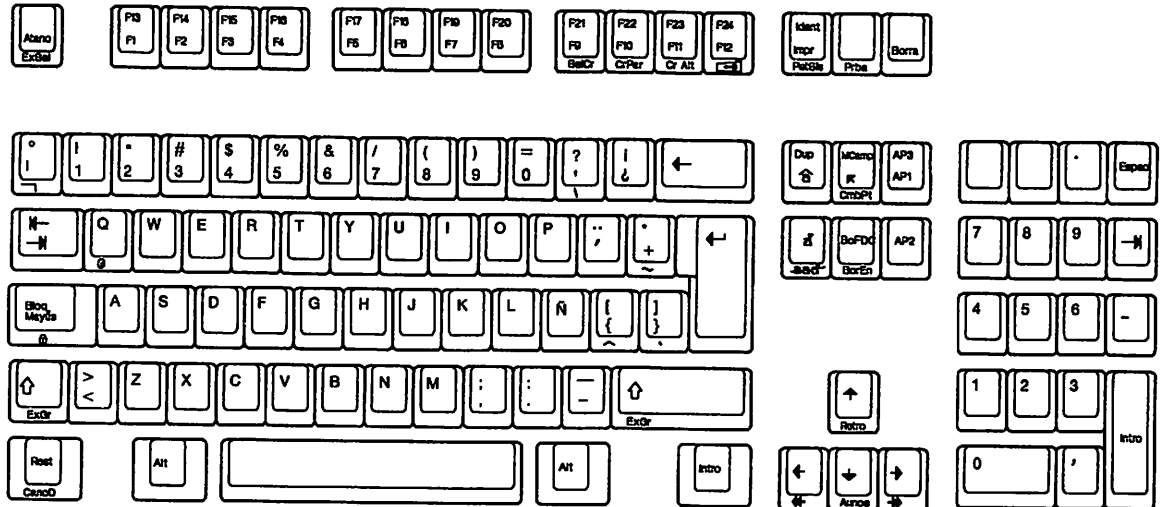
## Typewriter



# Spanish-Speaking

(Q121 = 21)

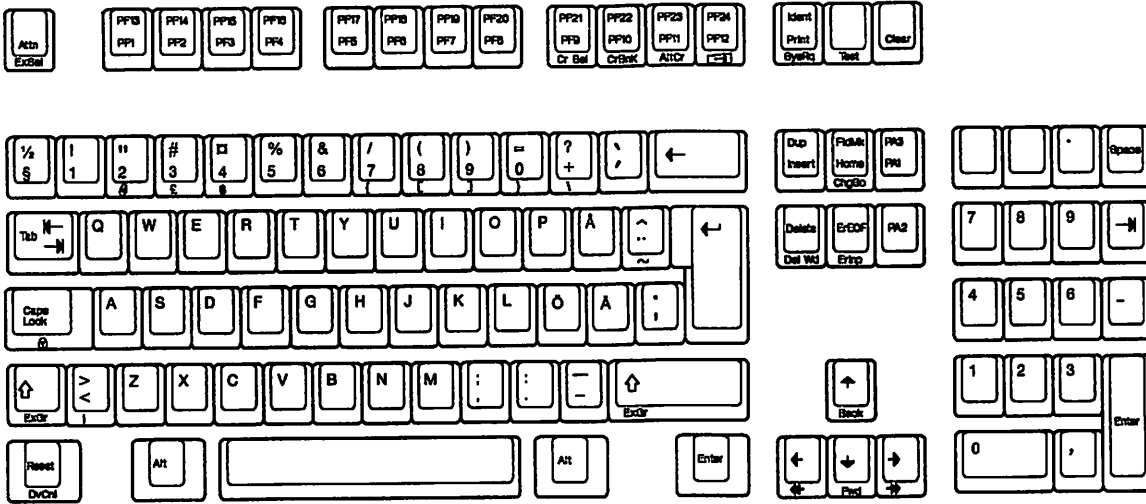
## Typewriter



## Swedish

(Q121 = 24)

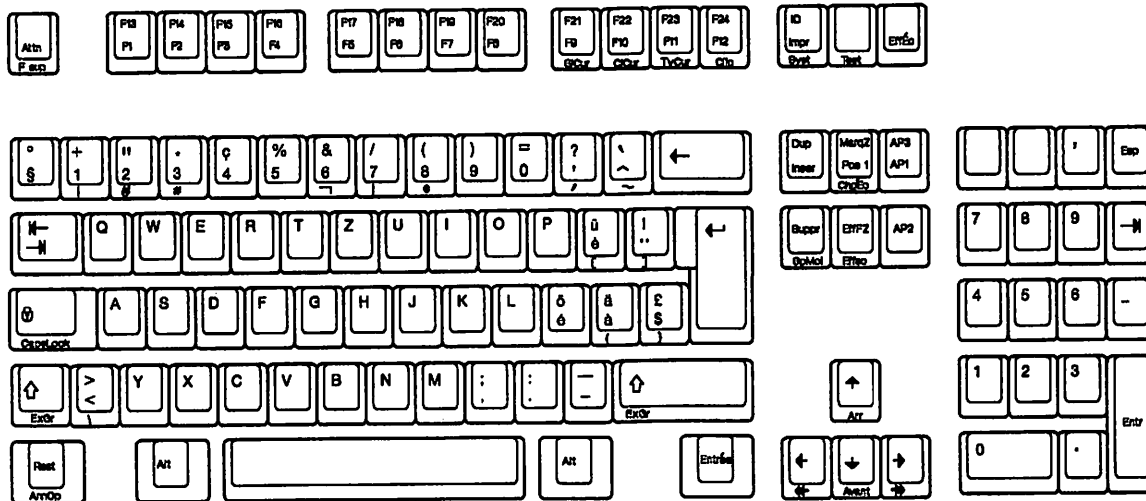
### Typewriter



## Swiss-French (New)

(Q121 = 41)

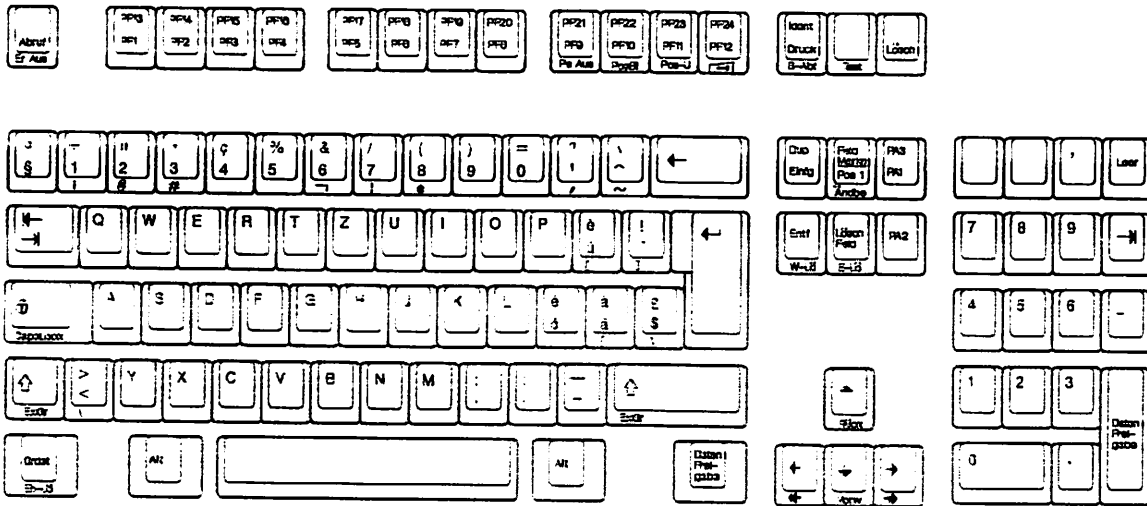
### Typewriter



### Swiss-German (New)

(Q121 = 42)

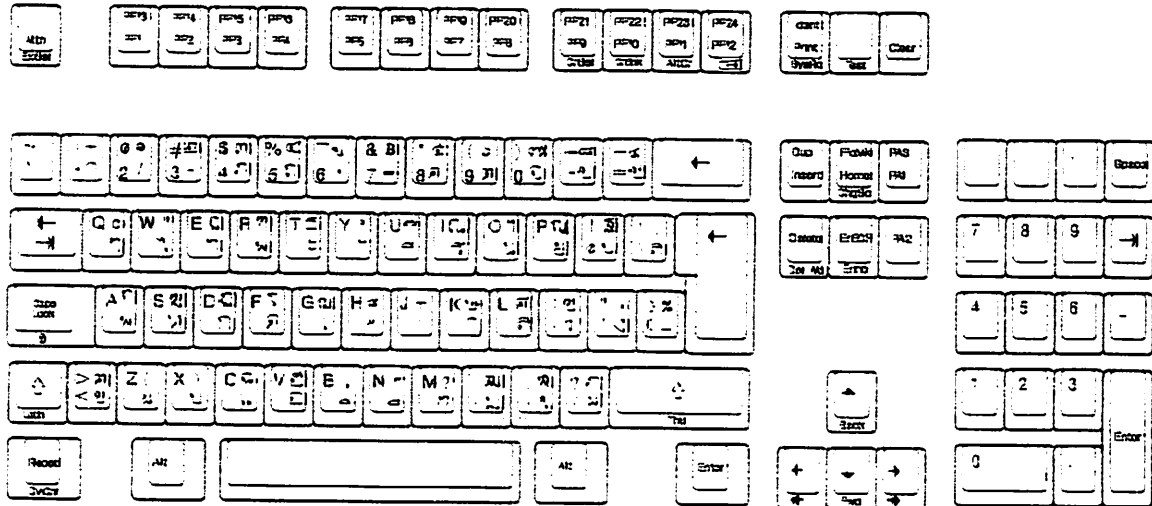
#### Typewriter



### Thai

(Q121 = 46)

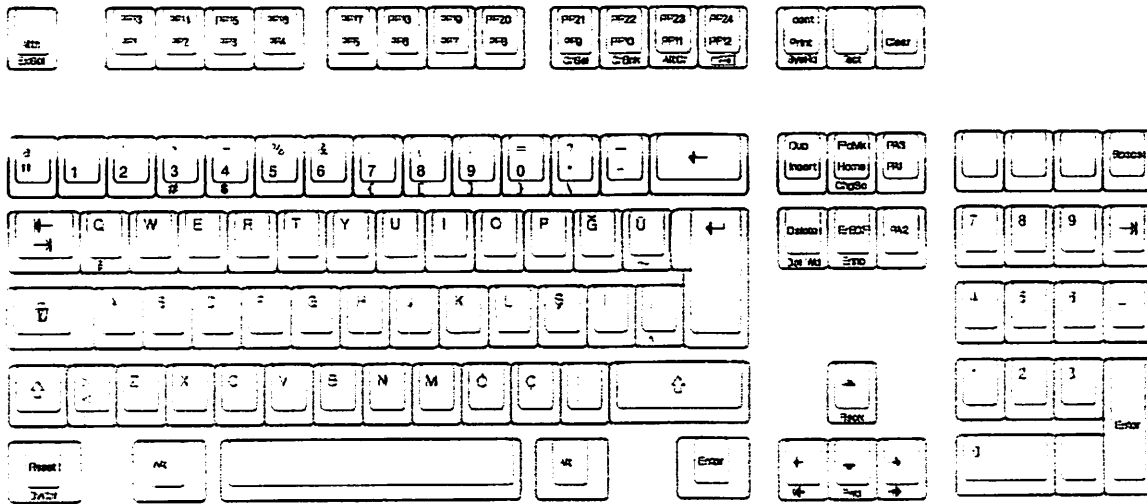
#### Typewriter



**Turkish**

(Q121 = 39)

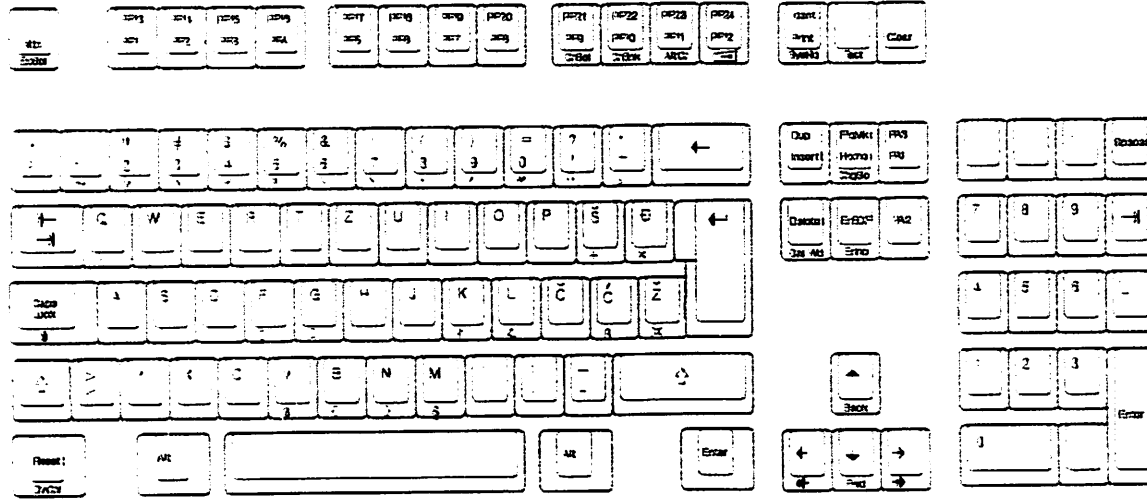
**Typewriter**



**Yugoslav**

(Q121 = 40)

**Typewriter**



---

## Chapter 5. 3270 Display Station and Printer Code Page Charts

This chapter contains charts of the code pages that support the various 3270 keyboards and printers associated with the 3174 Controller, both in the United States of America and in other countries.

Each Country Extended Code Page (CECP) supported code page chart contains shaded and outlined sections. The lighter shaded sections highlight the subset of characters that make up the base character set code points. The sections that are outlined and have the darker shading represent the synonyms for each code page. Position FF is blackened out on each code page because it is not for use in this context.

### Notes:

1. In the code page charts in this chapter, if the country does not support CECP, only the subset base character set is shown.
2. Disregard the 8-digit alphanumeric label under each character in the code page charts. This label is only for character identification.

---

## Code Pages

The exact shapes of the characters shown in the following code pages may vary slightly from those you see displayed or printed depending on how your display or printer forms the characters.

**Note:** For CECP countries, when the Acute, Grave, Circumflex, Diaeresis, Cedilla, Degree/Overcircle, and Tilde accents are added to a Typewriter or APL keyboard, they become "nonescaping keys". A nonescaping key is a key that allows a character to be typed without the imprint position being changed. These keys are intended to be combined with other characters in a two-keystroke sequence to create accented characters. If the accent is to be used by itself, the two-keystroke sequence **must** be the accent and space.

## Coded Graphic Character Set Global Identifier (CGCSGID)

Use this table in conjunction with the Query Reply (Character Sets) Structured Field. See the 3174 Functional Description for details.

CGCSGID (Hex)	CGCSGID (Decimal)			Language
	CECP Char. Set	Base Char. Set	Code Page Number	
0065 0025		101	037	EBCDIC (WT), English (U.S.A.), and Netherlands
0067 0026		103	038	English (U.S.A.) ASCII-International
0067 016F		103	367	English (U.S.A.) ASCII-7 and ASCII-8
0067 01F4		103	500	International
0109 0111		265	273	Austrian/German
010D 0112		269	274	Belgian
0111 0113		273	275	Brazilian
011D 0116		285	278	Finnish and Swedish
0119 0115		281	277	Danish and Norwegian
0125 0118		293	280	Italian
0129 0119		297	281	Japanese English
0135 011C		309	284	Spanish-Speaking
0139 011D		313	285	English (U.K.)
014C 0122		332	290	Japanese Katakana
017E 0136		382	310	APL
028A 011C		650	284	Spanish
02B9 0025	697		037	Canadian Bilingual, English (U.S.A.), Netherlands, and Portuguese
02B9 01F4	697		500	Swiss-French (New), Swiss-German (New), and Belgian (New)
02B9 011C	697		284	Spanish and Spanish-Speaking
02B9 011D	697		285	English (U.K.)
02B9 0111	697		273	Austrian/German
02B9 0115	697		277	Danish and Norwegian
02B9 0116	697		278	Finnish and Swedish
02B9 0118	697		280	Italian
02B9 0129	697		297	French
02B9 0367	697		871	Icelandic
03AA 0346		938	838	Thai
03C3 0136		963	310	APL2
038C 01F4		908	500	Swiss-French (New) and Swiss-German (New)
0389 0025		905	037	Canadian Bilingual
045A 0025		1114	037	Portuguese
045A 01F4		1114	500	Belgian (New)
0464 01A7		1124	423	Greek
0465 0370		1125	880	Cyrillic
0466 0367		1126	871	Icelandic
0467 0389		1127	905	Turkish

CGCSGID (Decimal)				
CGCSGID (Hex)	CECP Char. Set	Base Char. Set	Code Page Number	Language
0468 0366		1128	870	ROECE Latin and Yugoslav
0469 0129		1129	297	French



## Character Set 697-0

Version 0 of character set 697 is shown below. All Release 3.0 printers support this character set. CECP support includes character set 697 plus a space. The space is not represented below.

<b>A</b> LA020000	<b>B</b> LB020000	<b>C</b> LC020000	<b>D</b> LD020000	<b>E</b> LE020000	<b>F</b> LF020000	<b>G</b> LG020000	<b>H</b> LH020000	<b>I</b> LI020000	<b>J</b> LJ020000	<b>K</b> LK020000	<b>L</b> LL020000	<b>M</b> LM020000
<b>N</b> LN020000	<b>O</b> LO020000	<b>P</b> LP020000	<b>Q</b> LQ020000	<b>R</b> LR020000	<b>S</b> LS020000	<b>T</b> LT020000	<b>U</b> LU020000	<b>V</b> LV020000	<b>W</b> LW020000	<b>X</b> LX020000	<b>Y</b> LY020000	<b>Z</b> LZ020000
<b>a</b> LA010000	<b>b</b> LB010000	<b>c</b> LC010000	<b>d</b> LD010000	<b>e</b> LE010000	<b>f</b> LF010000	<b>g</b> LG010000	<b>h</b> LH010000	<b>i</b> LI010000	<b>j</b> LJ010000	<b>k</b> LK010000	<b>l</b> LL010000	<b>m</b> LM010000
<b>n</b> LN010000	<b>o</b> LO010000	<b>p</b> LP010000	<b>q</b> LQ010000	<b>r</b> LR010000	<b>s</b> LS010000	<b>t</b> LT010000	<b>u</b> LU010000	<b>v</b> LV010000	<b>w</b> LW010000	<b>x</b> LX010000	<b>y</b> LY010000	<b>z</b> LZ010000
<b>Á</b> LA120000	<b>À</b> LA140000	<b>Ã</b> LA160000	<b>Ä</b> LA180000	<b>Å</b> LA200000	<b>Æ</b> LA280000	<b>Ç</b> LA520000	<b>Ð</b> LC420000	<b>É</b> LD620000	<b>È</b> LE120000	<b>Ê</b> LE140000	<b>Ë</b> LE160000	<b>Ï</b> LE180000
<b>Í</b> LI120000	<b>Ì</b> LI140000	<b>Î</b> LI160000	<b>Ï</b> LI180000	<b>Ñ</b> LN200000	<b>Ó</b> LO120000	<b>Ò</b> LO140000	<b>Õ</b> LO160000	<b>Ö</b> LO180000	<b>Ø</b> LO200000	<b>Ɔ</b> LO620000	<b>Ɔ</b> LT640000	<b>Ú</b> LU120000
<b>Û</b> LU140000	<b>Ü</b> LU160000	<b>Û</b> LU180000	<b>Ý</b> LY120000									
<b>á</b> LA110000	<b>à</b> LA130000	<b>â</b> LA150000	<b>ä</b> LA170000	<b>å</b> LA190000	<b>æ</b> LA270000	<b>ç</b> LA510000	<b>ð</b> LC410000	<b>é</b> LD630000	<b>è</b> LE110000	<b>ê</b> LE130000	<b>ë</b> LE150000	<b>ï</b> LE170000
<b>í</b> LI110000	<b>ì</b> LI130000	<b>î</b> LI150000	<b>ï</b> LI170000	<b>l</b> LI610000	<b>ñ</b> LN190000	<b>ó</b> LO110000	<b>ò</b> LO130000	<b>õ</b> LO150000	<b>ö</b> LO170000	<b>ø</b> LO190000	<b>Ɔ</b> LO610000	<b>β</b> LS610000
<b>þ</b> LT630000	<b>ú</b> LU110000	<b>ù</b> LU130000	<b>û</b> LU150000	<b>ü</b> LU170000	<b>ý</b> LY110000	<b>ÿ</b> LY170000						
<b>0</b> ND010000	<b>1</b> ND010000	<b>2</b> ND020000	<b>3</b> ND030000	<b>4</b> ND040000	<b>5</b> ND050000	<b>6</b> ND060000	<b>7</b> ND070000	<b>8</b> ND080000	<b>9</b> ND090000			
<b>²</b> ND021000	<b>³</b> ND031000	<b>½</b> NF010000	<b>¼</b> NF040000	<b>¾</b> NF050000	<b>+</b> SA010000	<b>±</b> SA020000	<b>&lt;</b> SA030000	<b>=</b> SA040000	<b>&gt;</b> SA050000	<b>∅</b> SC010000	<b>£</b> SC020000	<b>\$</b> SC030000
<b>¢</b> SC040000	<b>¥</b> SC050000	<b>f</b> SC070000	<b>'</b> SD110000	<b>`</b> SD130000	<b>^</b> SD150000	<b>¨</b> SD170000	<b>~</b> SD190000	<b>,</b> SD410000	<b>.</b> SD630000	<b>#</b> SM010000	<b>%</b> SM020000	<b>&amp;</b> SM030000
<b>*</b> SM040000	<b>@</b> SM050000	<b>[</b> SM060000	<b>\</b> SM070000	<b>]</b> SM080000	<b>=</b> SM100000	<b>{</b> SM110000	<b> </b> SM130000	<b>}</b> SM140000	<b>-</b> SM150000	<b>μ</b> SM170000	<b>°</b> SM190000	<b>²</b> SM200000
<b>ª</b> SM210000	<b>§</b> SM240000	<b>¶</b> SM250000	<b>®</b> SM530000	<b>!</b> SM650000	<b>¬</b> SM660000	<b>!</b> SP020000	<b>!</b> SP030000	<b>"</b> SP040000	<b>'</b> SP050000	<b>(</b> SP060000	<b>)</b> SP070000	<b>,</b> SP080000
<b>_</b> SP090000	<b>-</b> SP100000	<b>.</b> SP110000	<b>/</b> SP120000	<b>:</b> SP130000	<b>;</b> SP140000	<b>?</b> SP150000	<b>¿</b> SP160000	<b>«</b> SP170000	<b>»</b> SP180000	<b>RSP</b> SP300000	<b>NS</b> SP310000	<b>SHY</b> SP320000

**Legend:**

- NS** numeric space
- RSP** required space
- SHY** syllable hyphen

# Character Set 697-1

Version 1 of character set 697 is shown below. All Release 3.0 displays and 3174 Control Units support this character set. CECF support includes character set 697 plus a space. The space is not represented below.

A LA020000	B LB020000	C LC020000	D LD020000	E LE020000	F LF020000	G LG020000	H LH020000	I LI020000	J LJ020000	K LK020000	L LL020000	M LM020000
N LN020000	O LO020000	P LP020000	Q LQ020000	R LR020000	S LS020000	T LT020000	U LU020000	V LV020000	W LW020000	X LX020000	Y LY020000	Z LZ020000
a LA010000	b LB010000	c LC010000	d LD010000	e LE010000	f LF010000	g LG010000	h LH010000	i LI010000	j LJ010000	k LK010000	l LL010000	m LM010000
n LN010000	o LO010000	p LP010000	q LQ010000	r LR010000	s LS010000	t LT010000	u LU010000	v LV010000	w LW010000	x LX010000	y LY010000	z LZ010000
Á LA120000	Â LA140000	Ã LA160000	Ä LA180000	Å LA200000	Ä LA280000	Æ LA520000	Ç LA420000	Ð LD620000	É LE120000	Ê LE140000	Ë LE160000	Ë LE180000
Í LI120000	Ì LI140000	Î LI160000	Ï LI180000	Ñ LN200000	Ó LO120000	Ô LO140000	Õ LO160000	Ö LO180000	Ö LO200000	Ø LO620000	Þ LT640000	Ú LU120000
Û LU140000	Ü LU160000	Ü LU180000	Ý LY120000									
á LA110000	à LA130000	â LA150000	ä LA170000	å LA190000	ä LA270000	æ LA510000	ç LA410000	ö LD630000	é LE110000	è LE130000	ê LE150000	ë LE170000
í LI110000	ì LI130000	î LI150000	ï LI170000	ñ LN190000	ó LO110000	ò LO130000	ô LO150000	ö LO170000	ö LO190000	ø LO610000	þ LS610000	þ LT630000
ú LU110000	ù LU130000	û LU150000	ü LU170000	ý LY110000	ÿ LY170000							
0 ND010000	1 ND010000	2 ND020000	3 ND030000	4 ND040000	5 ND050000	6 ND060000	7 ND070000	8 ND080000	9 ND090000			
1 ND011000	2 ND021000	3 ND031000	½ NF010000	¼ NF040000	¾ NF050000	+ SA010000	± SA020000	< SA030000	= SA040000	> SA050000	÷ SA060000	× SA070000
☉ SC010000	£ SC020000	\$ SC030000	€ SC040000	¥ SC050000	' SD110000	` SD130000	^ SD150000	¨ SD170000	~ SD190000	ˆ SD040000	˙ SD630000	# SM010000
% SM020000	& SM030000	* SM040000	@ SM050000	[ SM060000	\ SM070000	] SM080000	{ SM110000	 SM130000	} SM140000	- SM150000	µ SM170000	° SM190000
° SM200000	ª SM210000	§ SM240000	¶ SM250000	© SM520000	® SM530000	¡ SM550000	¬ SM660000	! SP020000	¡ SP030000	" SP040000	' SP050000	( SP060000
) SP070000	, SP080000	— SP090000	- SP100000	¡ SP110000	/ SP120000	¡ SP130000	¡ SP140000	? SP150000	¿ SP160000	“ SP170000	” SP180000	RSP SP300000
SHY SP320000												

**Legend:**

**RSP** required space

**SHY** syllable hyphen

APL/APL2 Text Feature Code Page

Code page number = 310; APL – Base character set = 382; APL2 – Base character set = 963.

Hex Digits 1st → 2nd ↓	4-	5-	6-	7-	8-	9-	A-	B-	C-	D-	E-	F-
-0	SP SP010000			◇ SL370000	~ SL460000	□ SL360000	— SL630000	α SL710000	{ SM110000	}	≡ SL300000	0 ND101000
-1	A LA480000	J LJ480000		^ SL510000	 SF630000	■ SF580000	° SM190000	ε SL720000	( SP061000	) SP070000	1 ND012000	1 ND011000
-2	B LB480000	K LK480000	S LS480000	“ SL450000	— SF620000	■ SF590000	— SF100000	ι SL730000	+ SA011000	— SF101000	2 ND022000	2 ND021000
-3	C LC480000	L LL480000	T LT480000	⊠ SL270000	 SF640000	■ SF600000	• SM570000	ο SL740000	■ SM470000	+ SF050000	3 ND032000	3 ND031000
-4	D LD480000	M LM480000	U LU480000	ι SL360000	 SF650000	■ SF570000	n LN012000	ω SL750000	L SF020000	J SF040000		4 ND041000
-5	E LE480000	N LN480000	V LV480000	ε SL370000	 SF660000	■ SF610000			┌ SF010000	└ SF030000		5 ND051000
-6	F LF480000	O LO480000	W LW480000	┌ SL340000				x SL550000	┌ SF080000	└ SF090000		6 ND061000
-7	G LG480000	P LP480000	X LX480000	┌ SL350000				\ SL640000	┌ SF070000	└ SF060000		7 ND071000
-8	H LH480000	Q LQ480000	Y LY480000	v SL500000				÷ SL540000	§ SM240000	¶ SM250000		8 ND081000
-9	I LI480000	R LR480000	Z LZ480000									9 ND091000
-A					↑ SL310000	∩ SL430000	∩ SL400000	∇ SL330000	~ SL170000	≡ SL240000	∇ SL150000	
-B					↓ SL620000	∪ SL420000	∪ SL410000	△ SL060000	~ SL180000	! SL580000	∇ SL160000	∇ SL340000
-C					≤ SL560000	□ SM490000	┌ SL230000	└ SL220000	∩ SL260000	∇ SL050000	∇ SL320000	∇ SL330000
-D					┌ SL010000	∩ SL080000	┌ SL770000	└ SL790000	∩ SL090000	∇ SL070000	∩ SL120000	∩ SL110000
-E					L SL020000	± SA020000	≥ SL570000	≈ SL320000	∩ SL280000	∩ SL130000	∩ SL140000	∩ SL190000
-F					→ SL600000	← SL590000	° SL250000	 SL380000	∩ SL100000	∩ SL210000	∩ SL200000	

Notes:

1. The codes shown in the code page above, each preceded by a Graphic Escape (X'08') control character, send the graphics shown.
2. Code page assignments other than those shown are undefined. If an undefined code is programmed, it is displayed as a hyphen (-) (X'60'). The control unit returns the hyphen, not the original code, during a later read operation.
3. The characters shown with blackened upper-left corners are APL2 characters only.

## Control Character Assignments (EBCDIC)

Hex Digits 1st → 2nd ↓	0-	1-	2-	3-	4-	5-	6-	7-	8-	9-										F-
-0	NUL																			
-1		SBA																		
-2		EUA																		
-3		IC																		
-4																				
-5	PT	NL																		
-6																				
-7																				
-8	GE		SA																	
-9		EM	SFE																	
-A																				
-B																				
-C	FF	DUP	MF	RA																
-D	CR	SF																		
-E		FM																		
-F				SUB																

**Note:** ASCII control character assignments are shown in the "English (U.S.A.) ASCII-7 Code Page" and in the "English (U.S.A.) ASCII-8 Code Page."

Austrian/German Code Page

Austrian/German Code Page

(Q121 = 03)

Code page number = 273/1; CECP character set = 697/1; Base character set = 265.

Hex Digits 1st → 2nd ↓	4-	5-	6-	7-	8-	9-	A-	B-	C-	D-	E-	F-
<b>-0</b>	SP SP010000	& SM030000	- SP100000	ø LO610000	Ø LO620000	° SM190000	μ SM170000	¢ SC040000	ä LA170000	ü LU170000	Ö LO180000	0 ND100000
<b>-1</b>	RSP SP300000	é LE110000	/ SP120000	É LE120000	a LA010000	j LJ010000	β LS610000	£ SC020000	À LA020000	J LJ020000	÷ SA060000	1 ND010000
<b>-2</b>	â LA150000	ê LE150000	Â LA160000	Ê LE160000	b LB010000	k LK010000	s LS010000	¥ SC050000	B LB020000	K LK020000	S LS020000	2 ND020000
<b>-3</b>	{ SM110000	ë LE170000	[ SM060000	Ë LE180000	c LC010000	l LL010000	t LT010000	· SD630000	C LC020000	L LL020000	T LT020000	3 ND030000
<b>-4</b>	à LA130000	è LE130000	À LA140000	È LE140000	d LD010000	m LM010000	u LU010000	© SM520000	D LD020000	M LM020000	U LU020000	4 ND040000
<b>-5</b>	á LA110000	í LI110000	Á LA120000	Í LI120000	e LE010000	n LN010000	v LV010000	@ SM050000	E LE020000	N LN020000	V LV020000	5 ND050000
<b>-6</b>	ã LA190000	î LI150000	Ã LA200000	Î LI160000	f LF010000	o LO010000	w LW010000	π SM250000	F LF020000	O LO020000	W LW020000	6 ND060000
<b>-7</b>	å LA270000	ï LI170000	Å LA280000	Ï LI180000	g LG010000	p LP010000	x LX010000	¼ NF040000	G LG020000	P LP020000	X LX020000	7 ND070000
<b>-8</b>	ç LC410000	ì LI130000	Ç LC420000	Ì LI140000	h LH010000	q LQ010000	y LY010000	½ NF010000	H LH020000	Q LQ020000	Y LY020000	8 ND080000
<b>-9</b>	ñ LN190000	~ SD190000	Ñ LN200000	` SD130000	i LI010000	r LR010000	z LZ010000	¾ NF050000	I LI020000	R LR020000	Z LZ020000	9 ND090000
<b>-A</b>	Ä LA180000	Ü LU180000	ö LO170000	: SP130000	« SP170000	ª SM210000	ï SP030000	¬ SM660000	SHY SP320000	¹ ND011000	² ND021000	³ ND031000
<b>-B</b>	· SP110000	\$ SC030000	, SP080000	# SM010000	» SP180000	º SM200000	¿ SP160000	 SM130000	ô LO150000	û LU150000	ô LO160000	Û LU160000
<b>-C</b>	< SA030000	* SM040000	% SM020000	§ SM240000	ö LD630000	æ LA510000	Ð LD620000	ˆ SM150000	ı SM650000	}	\	]
<b>-D</b>	( SP060000	) SP070000	_ SP090000	' SP050000	ý LY110000	· SD410000	Ý LY120000	¨ SD170000	ò LO130000	ó LU130000	ô LO140000	ù LU140000
<b>-E</b>	+ SA010000	; SP140000	> SA050000	= SA040000	þ LT630000	Æ LA520000	ƒ LT640000	' SD110000	ó LO110000	ô LU110000	ô LO120000	ù LU120000
<b>-F</b>	! SP020000	^ SD150000	? SP150000	" SP040000	± SA020000	◊ SC010000	® SM530000	× SA070000	õ LO180000	ÿ LY170000	ö LO200000	

Legend:

RSP required space

SHY syllable hyphen

SP space

# Belgian Code Page

(Q121 = 04)

Code page number = 274/1; Base character set = 269.

Hex Digits 1st → 2nd ↓	4-	5-	6-	7-	8-	9-	A-	B-	C-	D-	E-	F-
-0	SP SP010000	& SM030000	— SP100000						é LE110000	è LE130000	ç LC410000	0 ND100000
-1			/ SP120000		a LA010000	j LJ010000	“ SD170000		A LA020000	J LJ020000		1 ND010000
-2					b LB010000	k LK010000	s LS010000		B LB020000	K LK020000	S LS020000	2 ND020000
-3					c LC010000	l LL010000	t LT010000		C LC020000	L LL020000	T LT020000	3 ND030000
-4					d LD010000	m LM010000	u LU010000		D LD020000	M LM020000	U LU020000	4 ND040000
-5					e LE010000	n LN010000	v LV010000		E LE020000	N LN020000	V LV020000	5 ND050000
-6					f LF010000	o LO010000	w LW010000		F LF020000	O LO020000	W LW020000	6 ND060000
-7					g LG010000	p LP010000	x LX010000		G LG020000	P LP020000	X LX020000	7 ND070000
-8					h LH010000	q LQ010000	y LY010000		H LH020000	Q LQ020000	Y LY020000	8 ND080000
-9				` SD130000	i LI010000	r LR010000	z LZ010000		I LI020000	R LR020000	Z LZ020000	9 ND090000
-A	[ SM060000	] SM080000	ù LU130000	:								
-B	. SP110000	\$ SC030000	, SP080000	# SM010000								
-C	< SA030000	* SM040000	% SM020000	à LA130000								
-D	( SP060000	) SP070000	— SP090000	' SP050000								
-E	+ SA010000	; SP140000	> SA050000	= SA040000								
-F	! SP020000	^ SD150000	? SP150000	" SP040000								

Legend:  
SP space

## Belgian (New) Code Page

(Q121 = 43)

Code page number = 500/1; CECP character set = 697/1; Base character set = 1114.

Hex Digits 1st → 2nd ↓	4-	5-	6-	7-	8-	9-	A-	B-	C-	D-	E-	F-
<b>-0</b>	SP SP010000	& SM030000	- SP100000	ø LO610000	Ø LO620000	° SM190000	μ SM170000	ϕ SC040000	{ SM110000	}	\ SM140000	0 ND100000
<b>-1</b>	RSP SP300000	é LE110000	/ SP120000	É LE120000	a LA010000	j LJ010000	~ SD190000	£ SC020000	A LA020000	J LJ020000	÷ SA060000	1 ND010000
<b>-2</b>	â LA150000	ê LE150000	Â LA160000	Ê LE160000	b LB010000	k LK010000	s LS010000	¥ SC050000	B LB020000	K LK020000	S LS020000	2 ND020000
<b>-3</b>	ä LA170000	ë LE170000	Ä LA180000	Ë LE180000	c LC010000	l LL010000	t LT010000	· SD630000	C LC020000	L LL020000	T LT020000	3 ND030000
<b>-4</b>	à LA130000	è LE130000	À LA140000	È LE140000	d LD010000	m LM010000	u LU010000	© SM520000	D LD020000	M LM020000	U LU020000	4 ND040000
<b>-5</b>	á LA110000	í LI110000	Á LA120000	Í LI120000	e LE010000	n LN010000	v LV010000	§ SM240000	E LE020000	N LN020000	V LV020000	5 ND050000
<b>-6</b>	ã LA190000	î LI150000	Ã LA200000	Î LI160000	f LF010000	o LO010000	w LW010000	π SM250000	F LF020000	O LO020000	W LW020000	6 ND060000
<b>-7</b>	å LA270000	ï LI170000	Å LA280000	Ï LI180000	g LG010000	p LP010000	x LX010000	¼ NF040000	G LG020000	P LP020000	X LX020000	7 ND070000
<b>-8</b>	ç LC410000	ì LI130000	Ç LC420000	Ì LI140000	h LH010000	q LQ010000	y LY010000	½ NF010000	H LH020000	Q LQ020000	Y LY020000	8 ND080000
<b>-9</b>	ñ LN190000	β LS610000	Ñ LN200000	´ SD130000	i LI010000	r LR010000	z LZ010000	¾ NF050000	I LI020000	R LR020000	Z LZ020000	9 ND090000
<b>-A</b>	[ SM060000	] SM080000	ı SM650000	: SP130000	« SP170000	ª SM210000	ı SP030000	¬ SM660000	SHY SP320000	1 ND011000	2 ND021000	3 ND031000
<b>-B</b>	. SP110000	\$ SC030000	, SP080000	# SM010000	» SP180000	º SM200000	¿ SP160000	 SM130000	ø LO150000	û LU150000	ö LO160000	Û LU160000
<b>-C</b>	< SA030000	* SM040000	% SM020000	@ SM050000	ö LD630000	æ LA510000	Đ LD620000	ˆ SM160000	ö LO170000	ü LU170000	Ö LO180000	Ü LU180000
<b>-D</b>	( SP060000	) SP070000	— SP090000	' SP050000	ý LY110000	˙ SD410000	ÿ LY120000	ˆ SD170000	ò LO130000	ù LU130000	Ò LO140000	Û LU140000
<b>-E</b>	+ SA010000	; SP140000	> SA050000	= SA040000	þ LT630000	Æ LA520000	þ LT640000	' SD110000	ó LO110000	ú LU110000	Ó LO120000	Ú LU120000
<b>-F</b>	! SP020000	^ SD150000	? SP150000	" SP040000	± SA020000	◊ SC010000	® SM580000	x SA070000	õ LO190000	ÿ LY170000	Ö LO200000	

**Legend:**

**RSP** required space

**SHY** syllable hyphen

**SP** space

Brazilian Code Page

(Q121 = 05)

Code page number = 275/1; Base character set = 273.

Hex Digits 1st → 2nd ↓	4-	5-	6-	7-	8-	9-	A-	B-	C-	D-	E-	F-
-0	SP SP010000	& SM030000	— SP100000						õ LO190000	é LE110000	\ SM070000	0 ND100000
-1			/ SP120000		a LA010000	j LJ010000	~ SD190000		A LA020000	J LJ020000		1 ND010000
-2					b LB010000	k LK010000	s LS010000		B LB020000	K LK020000	S LS020000	2 ND020000
-3					c LC010000	l LL010000	t LT010000		C LC020000	L LL020000	T LT020000	3 ND030000
-4					d LD010000	m LM010000	u LU010000		D LD020000	M LM020000	U LU020000	4 ND040000
-5					e LE010000	n LN010000	v LV010000		E LE020000	N LN020000	V LV020000	5 ND050000
-6					f LF010000	o LO010000	w LW010000		F LF020000	O LO020000	W LW020000	6 ND060000
-7					g LG010000	p LP010000	x LX010000		G LG020000	P LP020000	X LX020000	7 ND070000
-8					h LH010000	q LQ010000	y LY010000		H LH020000	Q LQ020000	Y LY020000	8 ND080000
-9				ã LA190000	i LI010000	r LR010000	z LZ010000		I LI020000	R LR020000	Z LZ020000	9 ND090000
-A	É LE120000	\$ SC030000	ç LC410000	:								
-B	· SP110000	Ç LC420000	, SP080000	Õ LO200000								
-C	< SA030000	* SM040000	% SM020000	Ã LA200000								
-D	( SP060000	) SP070000	— SP090000	' SP050000								
-E	+ SA010000	; SP140000	> SA050000	= SA040000								
-F	! SP020000	^ SD150000	? SP150000	" SP040000								

Legend:  
SP space



# Canadian Bilingual Code Page

(Q121 = 29)

Code page number = 037/1; CECP character set = 697/1; Base character set = 905.

Hex Digits 1st → 2nd ↓	4-	5-	6-	7-	8-	9-	A-	B-	C-	D-	E-	F-
-0	SP SP010000	& SM030000	- SP100000	ø LO610000	Ø LO620000	° SM190000	μ SM170000	^ SD150000	{ SM110000	}	\ SM070000	0 ND100000
-1	RSP SP300000	é LE110000	/ SP120000	É LE120000	a LA010000	j LJ010000	~ SD190000	£ SC020000	A LA020000	J LJ020000	÷ SA060000	1 ND010000
-2	â LA150000	ê LE150000	Â LA160000	Ê LE160000	b LB010000	k LK010000	s LS010000	¥ SC050000	B LB020000	K LK020000	S LS020000	2 ND020000
-3	ä LA170000	ë LE170000	Ä LA180000	Ë LE180000	c LC010000	l LL010000	t LT010000	· SD630000	C LC020000	L LL020000	T LT020000	3 ND030000
-4	à LA130000	è LE130000	À LA140000	È LE140000	d LD010000	m LM010000	u LU010000	© SM520000	D LD020000	M LM020000	U LU020000	4 ND040000
-5	á LA110000	í LI110000	Á LA120000	Í LI120000	e LE010000	n LN010000	v LV010000	§ SM240000	E LE020000	N LN020000	V LV020000	5 ND050000
-6	ã LA190000	ï LI150000	Ã LA200000	Ï LI160000	f LF010000	o LO010000	w LW010000	π SM250000	F LF020000	O LO020000	W LW020000	6 ND060000
-7	å LA270000	ï LI170000	Å LA280000	Ï LI180000	g LG010000	p LP010000	x LX010000	¼ NF040000	G LG020000	P LP020000	X LX020000	7 ND070000
-8	ç LC410000	ì LI130000	Ç LC420000	Ì LI140000	h LH010000	q LQ010000	y LY010000	½ NF010000	H LH020000	Q LQ020000	Y LY020000	8 ND080000
-9	ñ LN190000	β LS610000	Ñ LN200000	` SD130000	i LI010000	r LR010000	z LZ010000	¾ NF050000	I LI020000	R LR020000	Z LZ020000	9 ND090000
-A	ç SC040000	!	¡ SM650000	:	« SP170000	ª SM210000	ï SP030000	[ SM060000	SHY SP320000	1 ND011000	2 ND021000	3 ND031000
-B	· SP170000	\$ SC030000	,	# SM010000	» SP180000	º SM200000	¿ SP160000	] SM080000	ô LO150000	û LU150000	ö LO160000	ü LU160000
-C	< SA030000	* SM040000	% SM020000	@ SM050000	ð LD630000	æ LA510000	Ð LD620000	- SM150000	ö LO170000	ü LU170000	Ö LO180000	Ü LU180000
-D	( SP060000	) SP070000	_ SP090000	' SP050000	ý LY110000	· SD410000	Ý LY120000	¨ SD170000	ó LO130000	ù LU130000	ö LO140000	ü LU140000
-E	+ SA010000	; SP140000	> SA050000	= SA040000	þ LT630000	Æ LA520000	Þ LT640000	' SD110000	ó LO110000	ù LU110000	ö LO120000	ü LU120000
-F	 SM130000	¬ SM660000	? SP150000	" SP040000	± SA020000	∅ SC010000	® SM530000	x SA070000	ö LO190000	ÿ LY170000	ö LO200000	

**Legend:**  
**RSP** required space  
**SHY** syllable hyphen  
**SP** space

## Cyrillic Code Page

(Q121 = 35)

Code page number = 880; Base character set = 1125.

Hex Digits 1st → 2nd ↓	4-	5-	6-	7-	8-	9-	A-	B-	C-	D-	E-	F-
-0	SP SP010000	& SM030000	— SP100000	Ъ KN120000	Ц KC010000	Й KJ110000	Я KA150000	б KX110000			\ SM070000	0 ND100000
-1		Љ KL410000	/ SP120000	Ѡ KC120000	а LA010000	ј LJ010000		bl KY010000	A LA020000	J LJ020000	⌘ SC010000	1 ND010000
-2	ђ KD610000	Њ KN110000	ѓ KG120000	Ќ KK120000	б LB010000	к LK010000	ѕ LS010000	з KZ010000	B LB020000	K LK020000	S LS020000	2 ND020000
-3	ѓ KG110000	ђ KC110000	Ѓ KE180000		с LC010000	l LL010000	t LT010000	Ш KS210000	C LC020000	L LL020000	T LT020000	3 ND030000
-4	ё KE170000	Ќ KK110000			d LD010000	m LM010000	u LU010000	э KE130000	D LD020000	M LM020000	U LU020000	4 ND040000
-5			S KZ160000	Ц KG220000	e LE010000	n LN010000	v LV010000	Щ KS150000	E LE020000	N LN020000	V LV020000	5 ND050000
-6	s KZ150000	Ц KG210000	l KI120000	Ю KU150000	f LF010000	o LO010000	w LW010000	ч KC210000	F LF020000	O LO020000	W LW020000	6 ND060000
-7	i KI110000	Ђ KU220000	Ѓ KI180000	а KA010000	g LG010000	p LP010000	x LX010000	б KU210000	G LG020000	P LP020000	X LX020000	7 ND070000
-8	ї KI170000	№ SM000000	J KJ020000	б KB010000	h LH010000	q LQ010000	y LY010000	Ю KU160000	H LH020000	Q LQ020000	Y LY020000	8 ND080000
-9	j KJ010000	Ђ KD620000	Љ KL420000		i LI010000	r LR010000	z LZ010000	A KA020000	I LI020000	R LR020000	Z LZ020000	9 ND090000
-A	[ SM060000	] SM080000	 SM130000	: SP130000	Д KD010000	К KK010000	Р KR010000	Б KB020000	Х KH020000	Н KN020000	Т KT020000	З KZ020000
-B	. SP110000	\$ SC030000	, SP080000	# SM010000	e KE010000	Л KL010000	с KS010000	Ц KC020000	И KI020000	О KO020000	У KU020000	Ш KS220000
-C	< SA030000	* SM040000	% SM020000	@ SM050000	Ф KF010000	М KM010000	Т KT010000	Д KD020000	Й KJ120000	П KP020000	Ж KZ220000	Э KE140000
-D	( SP060000	) SP070000	— SP090000	' SP050000	Г KG010000	Н KN010000	У KU010000	Е KE020000	К KK020000	Я KA160000	В KV020000	Щ KS160000
-E	+ SA010000	; SP140000	> SA050000	= SA040000	x KH010000	о KO010000	Ж KZ210000	Ф KF020000	Л KL020000	Р KR020000	б KX120000	ч KC220000
-F	! SP020000	^ SD150000	? SP150000	" SP040000	И KI010000	П KP010000	В KV010000	Г KG020000	М KM020000	С KS020000	bl KY020000	

Note: Characters A through Z (C1 through C9, D1 through D9, and E2 through E9) are Latin characters.

## Legend:

RSP required space

SP space

## Danish Code Page

(G121 = 07)

Code page number = 277/1; OEMP character set = 697/1; Base character set = 281.

Hex Digits	4-	5-	6-	7-	8-	9-	A-	B-	C-	D-	E-	F-
1st →												
2nd ↓												
-0	SP SP010000	& SM030000	- SP100000	ı SM650000	@ SM050000	° SM190000	μ SM170000	ç SC040000	æ LA510000	å LA270000	\ SM070000	0 ND100000
-1	RSP SP300000	é LE110000	/ SP120000	É LE120000	a LA010000	j LJ010000	ü LU170000	£ SC020000	À LA020000	J LJ020000	÷ SA060000	1 ND010000
-2	â LA150000	ê LE150000	Â LA160000	Ê LE160000	b LB010000	k LK010000	s LS010000	¥ SC050000	B LB020000	K LK020000	S LS020000	2 ND020000
-3	ä LA170000	ë LE170000	Ä LA180000	Ë LE180000	c LC010000	l LL010000	t LT010000	· SD630000	C LC020000	L LL020000	T LT020000	3 ND030000
-4	à LA130000	è LE130000	À LA140000	È LE140000	d LD010000	m LM010000	u LU010000	© SM520000	D LD020000	M LM020000	U LU020000	4 ND040000
-5	á LA110000	í LI110000	Á LA120000	Í LI120000	e LE010000	n LN010000	v LV010000	§ SM240000	E LE020000	N LN020000	V LV020000	5 ND050000
-6	ã LA190000	ï LI150000	Ã LA200000	Ï LI160000	f LF010000	o LO010000	w LW010000	π SM250000	F LF020000	O LO020000	W LW020000	6 ND060000
-7	ı SM140000	ï LI170000	ş SC030000	İ LI180000	g LG010000	p LP010000	x LX010000	¼ NF040000	G LG020000	P LP020000	X LX020000	7 ND070000
-8	ç LC410000	ı LI130000	Ç LC420000	İ LI140000	h LH010000	q LQ010000	y LY010000	½ NF010000	H LH020000	Q LQ020000	Y LY020000	8 ND080000
-9	ñ LN190000	ß LS610000	Ñ LN200000	´ SD130000	i LI010000	r LR010000	z LZ010000	¾ NF050000	I LI020000	R LR020000	Z LZ020000	9 ND090000
-A	# SM010000	◊ SC010000	ø LO610000	ı SP130000	« SP170000	ª SM210000	ı SP030000	¬ SM660000	SHY SP320000	ı ND011000	ı ND021000	ı ND031000
-B	· SP110000	Å LA280000	· SP080000	Æ LA520000	» SP180000	º SM200000	ı SP160000	 SM130000	ô LO150000	û LU150000	ö LO160000	ü LU160000
-C	< SA030000	* SM040000	% SM020000	Ø LO620000	ø LD630000	{ SM110000	Ð LD620000	- SM150000	ö LO170000	~ SD190000	ö LO180000	ü LU180000
-D	( SP060000	) SP070000	— SP090000	´ SP050000	ý LY110000	· SD410000	Ý LY120000	¨ SD170000	ö LO130000	ü LU130000	ö LO140000	ü LU140000
-E	+ SA010000	ı SP140000	> SA050000	= SA040000	þ LT630000	[ SM060000	þ LT640000	´ SD110000	ö LO110000	ü LU110000	ö LO120000	ü LU120000
-F	! SP020000	^ SD150000	? SP150000	" SP040000	± SA020000	] SM080000	® SM530000	x SA070000	ö LO190000	ÿ LY170000	ö LO200000	

**Legend:**

- RSP required space
- SHY syllable hyphen
- SP space

# EBCDIC (WT) Code Page

(Q121 = 25)

Code page number = 037/1; Base character set = 101.

Hex Digits 1st → 2nd ↓	4-	5-	6-	7-	8-	9-	A-	B-	C-	D-	E-	F-
-0	SP SP010000	& SM030000	- SP100000						{ SM110000	} SM140000	\ SM070000	0 ND100000
-1		/ SP120000		a LA010000	j LJ010000	~ SD190000			A LA020000	J LJ020000		1 ND010000
-2				b LB010000	k LK010000	s LS010000			B LB020000	K LK020000	S LS020000	2 ND020000
-3				c LC010000	l LL010000	t LT010000			C LC020000	L LL020000	T LT020000	3 ND030000
-4				d LD010000	m LM010000	u LU010000			D LD020000	M LM020000	U LU020000	4 ND040000
-5				e LE010000	n LN010000	v LV010000			E LE020000	N LN020000	V LV020000	5 ND050000
-6				f LF010000	o LO010000	w LW010000			F LF020000	O LO020000	W LW020000	6 ND060000
-7				g LG010000	p LP010000	x LX010000			G LG020000	P LP020000	X LX020000	7 ND070000
-8				h LH010000	q LQ010000	y LY010000			H LH020000	Q LQ020000	Y LY020000	8 ND080000
-9			` SD130000	i LI010000	r LR010000	z LZ010000			I LI020000	R LR020000	Z LZ020000	9 ND090000
-A	¢ SC040000	! SP020000	¡ SM650000	: SP130000								
-B	. SP110000	\$ SC030000	, SP080000	# SM010000								
-C	< SA030000	* SM040000	% SM020000	@ SM050000								
-D	( SP060000	) SP070000	_ SP090000	' SP050000								
-E	+ SA010000	; SP140000	> SA050000	= SA040000								
-F	 SM130000	¬ SM660000	? SP150000	" SP040000								

Legend:  
SP space

English (U.K.) Code Page

(Q121 = 22)

Code page number = 285/1; CECP character set = 697/1; Base character set = 313.

Hex Digits 1st → 2nd ↓	4-	5-	6-	7-	8-	9-	A-	B-	C-	D-	E-	F-
<b>-0</b>	SP SP010000	& SM030000	- SP100000	ø LO610000	Ø LO620000	° SM190000	μ SM170000	¢ SC040000	{ SM110000	}	\ SM070000	0 ND100000
<b>-1</b>	RSP SP300000	é LE110000	/ SP120000	É LE120000	á LA010000	â LJ010000	- SM150000	[ SM060000	A LA020000	J LJ020000	÷ SA060000	1 ND010000
<b>-2</b>	â LA150000	ê LE150000	Â LA160000	Ê LE160000	b LB010000	k LK010000	s LS010000	¥ SC050000	B LB020000	K LK020000	S LS020000	2 ND020000
<b>-3</b>	ä LA170000	ë LE170000	Ä LA180000	Ë LE180000	c LC010000	l LL010000	t LT010000	· SD630000	C LC020000	L LL020000	T LT020000	3 ND030000
<b>-4</b>	à LA130000	è LE130000	À LA140000	È LE140000	d LD010000	m LM010000	u LU010000	© SM520000	D LD020000	M LM020000	U LU020000	4 ND040000
<b>-5</b>	á LA110000	í LI110000	Á LA120000	Í LI120000	e LE010000	n LN010000	v LV010000	§ SM240000	E LE020000	N LN020000	V LV020000	5 ND050000
<b>-6</b>	ã LA190000	î LI150000	Ã LA200000	Ï LI160000	f LF010000	o LO010000	w LW010000	π SM250000	F LF020000	O LO020000	W LW020000	6 ND060000
<b>-7</b>	å LA270000	ï LI170000	Å LA280000	Ï LI180000	g LG010000	p LP010000	x LX010000	¼ NF040000	G LG020000	P LP020000	X LX020000	7 ND070000
<b>-8</b>	ç LC410000	ì LI130000	Ç LC420000	Ì LI140000	h LH010000	q LQ010000	y LY010000	½ NF010000	H LH020000	Q LQ020000	Y LY020000	8 ND080000
<b>-9</b>	ñ LN190000	β LS610000	Ñ LN200000	` SD130000	i LI010000	r LR010000	z LZ010000	¾ NF050000	I LI020000	R LR020000	Z LZ020000	9 ND090000
<b>-A</b>	\$ SC030000	! SP020000	¡ SM650000	: SP130000	« SP170000	ª SM210000	í SP030000	^ SD150000	ŠHY SP320000	¹ ND011000	² ND021000	³ ND031000
<b>-B</b>	. SP110000	£ SC020000	, SP080000	# SM010000	» SP180000	º SM200000	¿ SP160000	] SM080000	ô LO150000	û LU150000	ô LO160000	û LU160000
<b>-C</b>	< SA030000	* SM040000	% SM020000	@ SM050000	ö LD630000	æ LA510000	Ð LD620000	~ SD190000	ö LO170000	ü LU170000	Ö LO180000	Ü LU180000
<b>-D</b>	( SP060000	) SP070000	_ SP090000	' SP050000	ý LY110000	. SD410000	Ý LY120000	¨ SD170000	ò LO130000	ú LU130000	Ò LO140000	Ù LU140000
<b>-E</b>	+ SA010000	; SP140000	> SA050000	= SA040000	þ LT630000	Æ LA520000	Þ LT640000	' SD110000	ó LO110000	û LU110000	Ó LO120000	Ú LU120000
<b>-F</b>	 SM130000	¬ SM660000	? SP150000	" SP040000	± SA020000	Ï SC010000	® SM530000	x SA070000	õ LO190000	ÿ LY170000	Ö LO200000	

**Legend:**  
**RSP** required space  
**SHY** syllable hyphen  
**SP** space

# English (U.S.A.) Code Page

(Q121 = 01)

Code page number = 037/1; CECP character set = 697/1; Base character set = 101.

Hex Digits 1st → 2nd ↓	4-	5-	6-	7-	8-	9-	A-	B-	C-	D-	E-	F-
-0	SP SP010000	& SM030000	- SP100000	ø LO610000	Ø LO620000	° SM190000	μ SM170000	^ SD150000	{ SM110000	}	\ SM070000	0 ND100000
-1	RSP SP300000	é LE110000	/ SP120000	É LE120000	á LA010000	â LJ010000	~ SD190000	£ SC020000	À LA020000	Å LJ020000	÷ SA060000	1 ND010000
-2	â LA150000	ê LE150000	Â LA160000	Ê LE160000	b LB010000	k LK010000	s LS010000	¥ SC050000	B LB020000	K LK020000	S LS020000	2 ND020000
-3	ä LA170000	ë LE170000	Ä LA180000	Ë LE180000	c LC010000	l LL010000	t LT010000	· SD630000	C LC020000	L LL020000	T LT020000	3 ND030000
-4	à LA130000	è LE130000	À LA140000	È LE140000	d LD010000	m LM010000	u LU010000	© SM520000	D LD020000	M LM020000	U LU020000	4 ND040000
-5	á LA110000	í LI110000	Á LA120000	Í LI120000	e LE010000	n LN010000	v LV010000	§ SM240000	E LE020000	N LN020000	V LV020000	5 ND050000
-6	ã LA190000	î LI150000	Ã LA200000	Ï LI160000	f LF010000	o LO010000	w LW010000	¶ SM250000	F LF020000	O LO020000	W LW020000	6 ND060000
-7	å LA270000	ï LI170000	Å LA280000	Ï LI180000	g LG010000	p LP010000	x LX010000	¼ NF040000	G LG020000	P LP020000	X LX020000	7 ND070000
-8	ç LC410000	ì LI130000	Ç LC420000	Ì LI140000	h LH010000	q LQ010000	y LY010000	½ NF010000	H LH020000	Q LQ020000	Y LY020000	8 ND080000
-9	ñ LN190000	β LS610000	Ñ LN200000	` SD130000	i LI010000	r LR010000	z LZ010000	¾ NF050000	I LI020000	R LR020000	Z LZ020000	9 ND090000
-A	¢ SC040000	! SP020000	¡ SM650000	: SP130000	« SP170000	ª SM210000	ï SP030000	[ SM060000	SHY SP320000	1 ND011000	2 ND021000	3 ND031000
-B	· SP110000	\$ SC030000	, SP080000	# SM010000	» SP180000	º SM200000	¿ SP160000	] SM080000	ô LO150000	û LU150000	ô LO160000	Û LU160000
-C	< SA030000	* SM040000	% SM020000	@ SM050000	ö LD630000	æ LA510000	Ð LD620000	— SM150000	ö LO170000	ü LU170000	Ö LO180000	Ü LU180000
-D	( SP060000	) SP070000	— SP090000	' SP050000	ý LY110000	· SD410000	Ý LY120000	¨ SD170000	ò LO130000	ú LU130000	Ò LO140000	Û LU140000
-E	+ SA010000	; SP140000	> SA050000	= SA040000	þ LT630000	Æ LA520000	Þ LT640000	' SD110000	ó LO110000	ú LU110000	Ó LO120000	Ü LU120000
-F	 SM130000	¬ SM660000	? SP150000	" SP040000	± SA020000	◊ SC010000	® SM530000	× SA070000	õ LO190000	ÿ LY170000	Ö LO200000	

**Legend:**  
**RSP** required space  
**SHY** syllable hyphen  
**SP** space

## English (U.S.A.) ASCII-International Code Page

(Q121 = 33)

Code page number = 038; Base character set = 103.

Hex Digits 1st → 2nd ↓	4-	5-	6-	7-	8-	9-	A-	B-	C-	D-	E-	F-
-0	SP SP010000	& SM030000	— SP100000						{ SM110000	} SM140000	\ SM070000	0 ND100000
-1			/ SP120000		a LA010000	j LJ010000	~ SD190000		A LA020000	J LJ020000		1 ND010000
-2					b LB010000	k LK010000	s LS010000		B LB020000	K LK020000	S LS020000	2 ND020000
-3					c LC010000	l LL010000	t LT010000		C LC020000	L LL020000	T LT020000	3 ND030000
-4					d LD010000	m LM010000	u LU010000		D LD020000	M LM020000	U LU020000	4 ND040000
-5					e LE010000	n LN010000	v LV010000		E LE020000	N LN020000	V LV020000	5 ND050000
-6					f LF010000	o LO010000	w LW010000		F LF020000	O LO020000	W LW020000	6 ND060000
-7					g LG010000	p LP010000	x LX010000		G LG020000	P LP020000	X LX020000	7 ND070000
-8					h LH010000	q LQ010000	y LY010000		H LH020000	Q LQ020000	Y LY020000	8 ND080000
-9				` SD130000	i LI010000	r LR010000	z LZ010000		I LI020000	R LR020000	Z LZ020000	9 ND090000
-A	[ SM060000	] SM080000	 SM130000	: SP130000								
-B	. SP110000	\$ SC030000	, SP080000	# SM010000								
-C	< SA030000	* SM040000	% SM020000	@ SM050000								
-D	( SP060000	) SP070000	— SP090000	' SP050000								
-E	+ SA010000	; SP140000	> SA050000	= SA040000								
-F	! SP020000	^ SD150000	? SP150000	" SP040000								

**Note:** The vertical bar at code point X'6A' is displayed or printed as a split vertical bar (|).

**Legend:**

**SP** space

## English (U.S.A.) ASCII-7 Code Page

(Q121 = 02)

Code page number = 367; Base character set = 103.

Hex Digits 1st → 2nd ↓	0-	1-	2-	3-	4-	5-	6-	7-
<b>-0</b>	NUL		SP SP020000	0 ND100000	@ SM050000	P LP020000	` SD130000	p LP010000
<b>-1</b>		SBA	! SP020000	1 ND010000	A LA020000	Q LQ020000	a LA010000	q LQ010000
<b>-2</b>		EUA	" SP040000	2 ND020000	B LB020000	R LR020000	b LB010000	r LR010000
<b>-3</b>		IC	# SM010000	3 ND030000	C LC020000	S LS020000	c LC010000	s LS010000
<b>-4</b>		RA	\$ SC030000	4 ND040000	D LD020000	T LT020000	d LD010000	t LT010000
<b>-5</b>			% SM020000	5 ND050000	E LE020000	U LU020000	e LE010000	u LU010000
<b>-6</b>			& SM030000	6 ND060000	F LF020000	V LV020000	f LF010000	v LV010000
<b>-7</b>			' SP050000	7 ND070000	G LG020000	W LW020000	g LG010000	w LW010000
<b>-8</b>			( SP080000	8 ND080000	H LH020000	X LX020000	h LH010000	x LX010000
<b>-9</b>	PT	EM	) SP070000	9 ND090000	I LI020000	Y LY020000	i LI010000	y LY010000
<b>-A</b>	NL		* SM040000	: SP130000	J LJ020000	Z LZ020000	j LJ010000	z LZ010000
<b>-B</b>			+ SA010000	; SP140000	K LK020000	[ SM060000	k LK010000	{ SM110000
<b>-C</b>	FF	DUP	, SP080000	< SA030000	L LL020000	\ SM070000	l LL010000	 SM130000
<b>-D</b>	CR	SF	- SP100000	= SA040000	M LM020000	] SM080000	m LM010000	} SM140000
<b>-E</b>		FM	. SP110000	> SA050000	N LN020000	^ SD150000	n LN010000	~ SD190000
<b>-F</b>			/ SP120000	? SP150000	O LO020000	_ SP090000	o LO010000	

**Note:** The vertical bar at code point X'7C' is displayed or printed as a split vertical bar (|).

**Legend:**

SP space



English (U.S.A.) ASCII-8 Code Page

(Q121 = 34)

Code page number = 367; Base character set = 103.

Hex Digits 1st → 2nd ↓	0-	1-	2-	3-	4-	5-	6-	7-	8-	9-							F-
-0	NUL		SP SP010000	0 ND100000	@ SM050000	P LP020000	` SD130000	p LP010000									
-1		SBA	! SP020000	1 ND010000	A LA020000	Q LQ020000	a LA010000	q LQ010000									
-2		EUA	" SP040000	2 ND020000	B LB020000	R LR020000	b LB010000	r LR010000									
-3		IC	# SM010000	3 ND030000	C LC020000	S LS020000	c LC010000	s LS010000									
-4		RA	\$ SC030000	4 ND040000	D LD020000	T LT020000	d LD010000	t LT010000									
-5			% SM020000	5 ND050000	E LE020000	U LU020000	e LE010000	u LU010000	NL								
-6			& SM030000	6 ND060000	F LF020000	V LV020000	f LF010000	v LV010000									
-7			' SP050000	7 ND070000	G LG020000	W LW020000	g LG010000	w LW010000		GE							
-8			( SP060000	8 ND080000	H LH020000	X LX020000	h LH010000	x LX010000	SA								
-9	PT	EM	) SP070000	9 ND090000	I LI020000	Y LY020000	i LI010000	y LY010000	SFE								
-A		SUB	* SM040000	: SP130000	J LJ020000	Z LZ020000	j LJ010000	z LZ010000									
-B			+ SA010000	; SP140000	K LK020000	[ SM060000	k LK010000	{ SM110000									
-C	FF	DUP	, SP080000	< SA030000	L LL020000	\ SM070000	l LL010000	 SM130000	MF								
-D	CR	SF	- SP100000	= SA040000	M LM020000	] SM080000	m LM010000	} SM140000									
-E		FM	. SP110000	> SA050000	N LN020000	^ SD150000	n LN010000	~ SD190000									
-F			/ SP120000	? SP150000	O LO020000	_ SP090000	o LO010000										

Note: The vertical bar at code point X'7C' is displayed or printed as a split vertical bar (|).

Legend:  
SP space

Finnish Code Page

(Q121 = 09)

Code page number = 278/1; CECP character set = 697/1; Base character set = 285.

Hex Digits 1st → 2nd ↓	4-	5-	6-	7-	8-	9-	A-	B-	C-	D-	E-	F-
-0	SP SP010000	& SM030000	- SP100000	ø LO610000	Ø LO620000	° SM190000	μ SM170000	¢ SC040000	ä LA170000	å LA270000	É LE120000	0 ND100000
-1	RSP SP300000	` SD130000	/ SP120000	\ SM070000	a LA010000	j LJ010000	ü LU170000	£ SC020000	A LA020000	J LJ020000	÷ SA060000	1 ND010000
-2	â LA150000	ê LE150000	Â LA160000	Ê LE160000	b LB010000	k LK010000	s LS010000	¥ SC050000	B LB020000	K LK020000	S LS020000	2 ND020000
-3	{ SM110000	ë LE170000	# SM010000	Ë LE180000	c LC010000	l LL010000	t LT010000	· SD630000	C LC020000	L LL020000	T LT020000	3 ND030000
-4	à LA130000	è LE130000	À LA140000	È LE140000	d LD010000	m LM010000	u LU010000	© SM520000	D LD020000	M LM020000	U LU020000	4 ND040000
-5	á LA110000	í LI110000	Á LA120000	Í LI120000	e LE010000	n LN010000	v LV010000	[ SM060000	E LE020000	N LN020000	V LV020000	5 ND050000
-6	ã LA190000	î LI150000	Ã LA200000	Î LI160000	f LF010000	o LO010000	w LW010000	π SM250000	F LF020000	O LO020000	W LW020000	6 ND060000
-7	} SM140000	ï LI170000	\$ SC030000	Ï LI180000	g LG010000	p LP010000	x LX010000	¼ NF040000	G LG020000	P LP020000	X LX020000	7 ND070000
-8	ç LC410000	ì LI130000	Ç LC420000	Ì LI140000	h LH010000	q LQ010000	y LY010000	½ NF010000	H LH020000	Q LQ020000	Y LY020000	8 ND080000
-9	ñ LN190000	β LS610000	Ñ LN200000	É LE110000	i LI010000	r LR010000	z LZ010000	¾ NF050000	I LI020000	R LR020000	Z LZ020000	9 ND090000
-A	§ SM240000	◊ SC010000	ö LO170000	:	« SP170000	ª SM210000	ı SP030000	¬ SM660000	SHY SP320000	1 ND011000	2 ND021000	3 ND031000
-B	· SP110000	Å LA280000	, SP080000	Ä LA180000	» SP180000	º SM200000	¿ SP160000	 SM130000	ô LO150000	û LU150000	Ô LO160000	Û LU160000
-C	< SA030000	* SM040000	% SM020000	Ö LO180000	ö LD630000	æ LA510000	Ð LD620000	- SM150000	 SM650000	~ SD190000	@ SM050000	Ü LU180000
-D	( SP060000	) SP070000	— SP090000	' SP050000	ý LY110000	· SD410000	Ý LY120000	¨ SD170000	ò LO130000	ù LU130000	ó LO140000	Û LU140000
-E	+ SA010000	; SP140000	> SA050000	= SA040000	þ LT630000	Æ LA520000	þ LT640000	' SD110000	ó LO110000	ú LU110000	ó LO120000	Û LU120000
-F	! SP020000	^ SD150000	? SP150000	" SP040000	± SA020000	] SM080000	® SM530000	x SA070000	ô LO190000	ÿ LY170000	Ö LO200000	

Legend:

- RSP required space
- SHY syllable hyphen
- SP space

French Code Page

(Q121 = 30)

Code page number = 297/1; CECP character set = 697/1; Base character set = 1129.

Hex Digits 1st → 2nd ↓	4-	5-	6-	7-	8-	9-	A-	B-	C-	D-	E-	F-
-0	SP SP010000	& SM030000	- SP100000	ø LO610000	Ø LO620000	[ SM060000	` SD130000	¢ SC040000	é LE110000	è LE130000	ç LC410000	0 ND100000
-1	RSP SP300000	{ SM110000	/ SP120000	É LE120000	a LA010000	j LJ010000	.. SD170000	# SM010000	A LA020000	J LJ020000	÷ SA060000	1 ND010000
-2	â LA150000	ê LE150000	Â LA160000	Ê LE160000	b LB010000	k LK010000	s LS010000	¥ SC050000	B LB020000	K LK020000	S LS020000	2 ND020000
-3	ä LA170000	ë LE170000	Ä LA180000	Ë LE180000	c LC010000	l LL010000	t LT010000	· SD630000	C LC020000	L LL020000	T LT020000	3 ND030000
-4	@ SM050000	} SM140000	À LA140000	È LE140000	d LD010000	m LM010000	u LU010000	© SM520000	D LD020000	M LM020000	U LU020000	4 ND040000
-5	á LA110000	í LI110000	Á LA120000	Í LI120000	e LE010000	n LN010000	v LV010000	] SM080000	E LE020000	N LN020000	V LV020000	5 ND050000
-6	ã LA190000	î LI150000	Ã LA200000	Ï LI160000	f LF010000	o LO010000	w LW010000	π SM250000	F LF020000	O LO020000	W LW020000	6 ND060000
-7	â LA270000	ï LI170000	Å LA280000	Ï LI180000	g LG010000	p LP010000	x LX010000	¼ NF040000	G LG020000	P LP020000	X LX020000	7 ND070000
-8	\ SM070000	ì LI130000	Ç LC420000	Ì LI140000	h LH010000	q LQ010000	y LY010000	½ NF010000	H LH020000	Q LQ020000	Y LY020000	8 ND080000
-9	ñ LN190000	β LS610000	Ñ LN200000	μ SM170000	i LI010000	r LR010000	z LZ010000	¾ NF050000	I LI020000	R LR020000	Z LZ020000	9 ND090000
-A	° SM190000	§ SM240000	ù LU130000	: SP130000	« SP170000	ª SM210000	ı SP030000	¬ SM660000	ŠHY SP320000	¹ ND011000	² ND021000	³ ND031000
-B	· SP110000	\$ SC030000	, SP080000	£ SC200000	» SP180000	º SM200000	ı SP160000	 SM130000	ô LO150000	û LU150000	ô LO160000	û LU160000
-C	< SA030000	* SM040000	% SM020000	à LA130000	ð LD630000	æ LA510000	Ð LD620000	- SM150000	ö LO170000	ü LU170000	ö LO180000	ü LU180000
-D	( SP060000	) SP070000	— SP090000	' SP050000	ý LY110000	· SD410000	Ý LY120000	~ SD190000	ò LO130000	ó LO140000	ò LO140000	ó LU140000
-E	+ SA010000	; SP140000	> SA050000	= SA040000	þ LT630000	Æ LA520000	þ LT640000	' SD110000	ó LO110000	ú LU110000	ó LO120000	ú LU120000
-F	! SP020000	^ SD150000	? SP150000	" SP040000	± SA020000	Œ SC010000	® SM530000	x SA070000	õ LO190000	ÿ LY170000	ö LO200000	ÿ LY170000

Legend:

- RSP required space
- SHY syllable hyphen
- SP space

# Greek Code Page

(Q121 = 36)

Code page number = 423; Base character set = 1124.

Hex Digits 1st → 2nd ↓	4-	5-	6-	7-	8-	9-	A-	B-	C-	D-	E-	F-
-0	SP SP010000	& SM030000	— SP100000		Ä LA180000	Ö LO180000	Ü LU180000		ς SD410000	' SD110000	° SM190000	0 ND100000
-1	A GA020000	K GK020000	/ SP120000	Ά GA120000	a LA010000	j LJ010000	¨ SD170000	ά GA110000	A LA020000	J LJ020000		1 ND010000
-2	B GB020000	Λ GL020000	Τ GT020000	Έ GE120000	b LB010000	k LK010000	s LS010000	έ GE110000	B LB020000	K LK020000	S LS020000	2 ND020000
-3	Γ GG020000	M GM020000	Υ GU020000	Ή GE720000	c LC010000	l LL010000	t LT010000	ή GE710000	C LC020000	L LL020000	T LT020000	3 ND030000
-4	Δ GD020000	N GN020000	Φ GF020000		d LD010000	m LM010000	u LU010000	ï GI170000	D LD020000	M LM020000	U LU020000	4 ND040000
-5	E GE020000	Ξ GX020000	Χ GH020000	Ί GI120000	e LE010000	n LN010000	v LV010000	ί GI110000	E LE020000	N LN020000	V LV020000	5 ND050000
-6	Z GZ020000	O GO020000	Ψ GP620000	Ό GO120000	f LF010000	o LO010000	w LW010000	ό GO110000	F LF020000	O LO020000	W LW020000	6 ND060000
-7	H GE320000	Π GP020000	Ω GO320000	Υ GU120000	g LG010000	p LP010000	x LX010000	ύ GU110000	G LG020000	P LP020000	X LX020000	7 ND070000
-8	Θ GT620000	P GR020000		Ή GO720000	h LH010000	q LQ010000	y LY010000	ü GU170000	H LH020000	Q LQ020000	Y LY020000	8 ND080000
-9	I GI020000	Σ GS020000		` SD130000	i LI010000	r LR010000	z LZ010000	ώ GO710000	I LI020000	R LR020000	Z LZ020000	9 ND090000
-A	[ SM060000	] SM080000		: SP130000	α GA010000	η GE310000	v GN010000	ς GS610000		± SA020000	½ NF010000	ÿ LY170000
-B	. SP110000	\$ SC030000	,	£ SC020000	β GB010000	θ GT610000	ξ GX010000	τ GT010000	ω GO310000	é LE110000	ö LO170000	ç LC410000
-C	< SA030000	* SM040000	% SM020000	§ SM240000	γ GG010000	ι GI010000	ο GO010000	υ GU010000	â LA150000	è LE130000	ô LO150000	Ç LC420000
-D	( SP060000	) SP070000	— SP090000	' SP050000	δ GD010000	κ GK010000	π GP010000	φ GF010000	à LA130000	ë LE170000	û LU150000	
-E	+ SA010000	; SP140000	> SA050000	= SA040000	ε GE010000	λ GL010000	ρ GR010000	χ GH010000	ä LA170000	î LI150000	ù LU130000	
-F	! SP020000	^ SD150000	? SP150000	" SP040000	ζ GZ010000	μ GM010000	σ GS010000	ψ GP610000	ê LE150000	ï LI170000	ü LU170000	

Note: Characters A through Z (C1 through C9, D1 through D9, and E2 through E9) are Latin characters.

Legend:  
SP space

## Icelandic Code Page

(Q121 = 37)

Code page number = 871/1; CECP character set = 697/1; Base character set = 1126.

Hex Digits 1st → 2nd ↓	4-	5-	6-	7-	8-	9-	A-	B-	C-	D-	E-	F-
-0	SP SP010000	& SM030000	— SP100000	ø LO610000	Ø LO620000	° SM190000	μ SM170000	¢ SC040000	þ LT630000	æ LA510000	' SD110000	0 ND100000
-1		é LE110000	/ SP120000	É LE120000	a LA010000	j LJ010000	ö LO010000	£ SC020000	A LA020000	J LJ020000		1 ND010000
-2	â LA150000	ê LE150000	Â LA160000	Ê LE160000	b LB010000	k LK010000	s LS010000	¥ SC050000	B LB020000	K LK020000	S LS020000	2 ND020000
-3	ä LA170000	ë LE170000	Ä LA180000	Ë LE180000	c LC010000	l LL010000	t LT010000	. SD630000	C LC020000	L LL020000	T LT020000	3 ND030000
-4	à LA130000	è LE130000	À LA140000	È LE140000	d LD010000	m LM010000	u LU010000	© SM520000	D LD020000	M LM020000	U LU020000	4 ND040000
-5	á LA110000	í LI110000	Á LA120000	Í LI120000	e LE010000	n LN010000	v LV010000	§ SM240000	E LE020000	N LN020000	V LV020000	5 ND050000
-6	ã LA190000	î LI150000		Î LI160000	f LF010000	o LO010000	w LW010000	π SM250000	F LF020000	O LO020000	W LW020000	6 ND060000
-7	å LA270000	ï LI170000	Å LA280000	Ï LI180000	g LG010000	p LP010000	x LX010000	¼ NF040000	G LG020000	P LP020000	X LX020000	7 ND070000
-8	ç LC410000	ì LI130000	Ç LC420000	Ì LI140000	h LH010000	q LQ010000	y LY010000	½ NF010000	H LH020000	Q LQ020000	Y LY020000	8 ND080000
-9	ñ LN190000	β LS610000	Ñ LN200000	ö LD630000	i LI010000	r LR010000	z LZ010000	¾ NF050000	I LI020000	R LR020000	Z LZ020000	9 ND090000
-A	þ LT640000	Æ LA520000	 SM650000	:SP130000	« SP170000	ä SM210000	í SP030000	∟ SM660000	SHY SP320000	1 ND011000	2 ND021000	3 ND031000
-B	. SP110000	\$ SC030000	, SP080000	# SM010000	» SP180000	ó SM200000	¿ SP160000	 SM130000	ô LO150000	û LU150000	Ô LO160000	Û LU160000
-C	< SA030000	* SM040000	% SM020000	Ð LD620000	` SD130000	} SM140000	@ SM050000	- SM150000	~ SD190000	ü LU170000	^ SD150000	Ü LU180000
-D	( SP060000	) SP070000	— SP090000	' SP050000	ý LY110000	› SD410000	Ý LY120000	¨ SD170000	ò LO130000	ù LU130000	Ò LO140000	Û LU140000
-E	+ SA010000	; SP140000	> SA050000	= SA040000	{ SM110000	] SM080000	[ SM060000	\ SM070000	ó LO110000	ú LU110000	Ó LO120000	Ú LU120000
-F	! SP020000	Ö LO180000	? SP150000	" SP040000	± SA020000	⊗ SC010000	® SM530000	× SA070000	õ LO190000	ÿ LY170000	ö LO200000	

**Legend:**

- RSP required space
- SHY syllable hyphen
- SP space

# International Code Page

(Q121 = 14)

Code page number = 500/1; Base character set = 103.

Hex Digits 1st → 2nd ↓	4-	5-	6-	7-	8-	9-	A-	B-	C-	D-	E-	F-
-0	SP SP010000	& SM030000	— SP100000						{ SM110000	} SM140000	\ SM070000	0 ND100000
-1			/ SP120000		a LA010000	j LJ010000	~ SD190000		A LA020000	J LJ020000		1 ND010000
-2					b LB010000	k LK010000	s LS010000		B LB020000	K LK020000	S LS020000	2 ND020000
-3					c LC010000	l LL010000	t LT010000		C LC020000	L LL020000	T LT020000	3 ND030000
-4					d LD010000	m LM010000	u LU010000		D LD020000	M LM020000	U LU020000	4 ND040000
-5					e LE010000	n LN010000	v LV010000		E LE020000	N LN020000	V LV020000	5 ND050000
-6					f LF010000	o LO010000	w LW010000		F LF020000	O LO020000	W LW020000	6 ND060000
-7					g LG010000	p LP010000	x LX010000		G LG020000	P LP020000	X LX020000	7 ND070000
-8					h LH010000	q LQ010000	y LY010000		H LH020000	Q LQ020000	Y LY020000	8 ND080000
-9				` SD130000	i LI010000	r LR010000	z LZ010000		I LI020000	R LR020000	Z LZ020000	9 ND090000
-A	[ SM060000	] SM080000	 SM650000	: SP130000								
-B	. SP110000	\$ SC030000	, SP080000	# SM010000								
-C	< SA030000	* SM040000	% SM020000	@ SM050000								
-D	( SP060000	) SP070000	— SP090000	' SP050000								
-E	+ SA010000	; SP140000	> SA050000	= SA040000								
-F	! SP020000	^ SD150000	? SP150000	" SP040000								

Legend:  
SP space

Italian Code Page

(Q121 = 15)

Code page number = 280/1; CECP character set = 697/1; Base character set = 293.

Hex Digits 1st → 2nd ↓	4-	5-	6-	7-	8-	9-	A-	B-	C-	D-	E-	F-
<b>-0</b>	SP SP010000	& SM030000	- SP100000	ø LO610000	Ø LO620000	[ SM060000	μ SM170000	¢ SC040000	à LA130000	è LE130000	ç LC410000	0 ND100000
<b>-1</b>	RSP SP300000	] SM080000	/ SP120000	É LE120000	a LA010000	j LJ010000	ì LI130000	# SM010000	A LA020000	J LJ020000	÷ SA060000	1 ND010000
<b>-2</b>	â LA150000	ê LE150000	Â LA160000	Ê LE160000	b LB010000	k LK010000	s LS010000	¥ SC050000	B LB020000	K LK020000	S LS020000	2 ND020000
<b>-3</b>	ä LA170000	ë LE170000	Ä LA180000	Ë LE180000	c LC010000	l LL010000	t LT010000	· SD630000	C LC020000	L LL020000	T LT020000	3 ND030000
<b>-4</b>	{ SM110000	} SM140000	À LA140000	È LE140000	d LD010000	m LM010000	u LU010000	© SM520000	D LD020000	M LM020000	U LU020000	4 ND040000
<b>-5</b>	á LA110000	í LI110000	Á LA120000	Í LI120000	e LE010000	n LN010000	v LV010000	@ SM050000	E LE020000	N LN020000	V LV020000	5 ND050000
<b>-6</b>	ã LA190000	î LI150000	Ã LA200000	Î LI160000	f LF010000	o LO010000	w LW010000	π SM250000	F LF020000	O LO020000	W LW020000	6 ND060000
<b>-7</b>	â LA270000	ï LI170000	Å LA280000	Ï LI180000	g LG010000	p LP010000	x LX010000	¼ NF040000	G LG020000	P LP020000	X LX020000	7 ND070000
<b>-8</b>	\ SM070000	~ SD190000	Ç LC420000	ì LI140000	h LH010000	q LQ010000	y LY010000	½ NF010000	H LH020000	Q LQ020000	Y LY020000	8 ND080000
<b>-9</b>	ñ LN190000	β LS100000	Ñ LN200000	ù LU130000	i LI010000	r LR010000	z LZ010000	¾ NF050000	I LI020000	R LR020000	Z LZ020000	9 ND090000
<b>-A</b>	° SM190000	é LE110000	ò LO130000	: SP130000	« SP170000	ª SM210000	ï SP030000	¬ SM660000	SHY SP320000	1 ND011000	2 ND021000	3 ND031000
<b>-B</b>	· SP110000	\$ SC030000	, SP080000	£ SC020000	» SP180000	º SM200000	¿ SP160000	 SM130000	ô LO150000	û LU150000	Ô LO160000	Û LU160000
<b>-C</b>	< SA030000	* SM040000	% SM020000	§ SM240000	ð LD630000	æ LA510000	Ð LD620000	- SM150000	ö LO170000	ü LU170000	Ö LO180000	Ü LU180000
<b>-D</b>	( SP060000	) SP070000	_ SP090000	' SP050000	ý LY110000	· SD410000	Ý LY120000	¨ SD170000	ı SM650000	˘ SD130000	Ò LO140000	Ù LU140000
<b>-E</b>	+ SA010000	; SP140000	> SA050000	= SA040000	þ LT630000	Æ LA520000	Þ LT640000	' SD110000	ó LO110000	ú LU110000	Ó LO120000	Ú LU120000
<b>-F</b>	! SP020000	^ SD150000	? SP150000	" SP040000	± SA020000	◊ SC010000	® SM530000	x SA070000	õ LO190000	ÿ LY170000	Ö LO200000	

**Legend:**  
**RSP** required space  
**SHY** syllable hyphen  
**SP** space

Japanese English Code Page

(Q121 = 16)

Code page number = 281/1; Base character set = 297.

Hex Digits 1st → 2nd ↓	4-	5-	6-	7-	8-	9-	A-	B-	C-	D-	E-	F-
-0	SP SP010000	& SM030000	— SP100000						{ SM110000	} SM140000	\$ SC030000	0 ND100000
-1			/ SP120000		a LA010000	j LJ010000	— SM150000		A LA020000	J LJ020000		1 ND010000
-2					b LB010000	k LK010000	s LS010000		B LB020000	K LK020000	S LS020000	2 ND020000
-3					c LC010000	l LL010000	t LT010000		C LC020000	L LL020000	T LT020000	3 ND030000
-4					d LD010000	m LM010000	u LU010000		D LD020000	M LM020000	U LU020000	4 ND040000
-5					e LE010000	n LN010000	v LV010000		E LE020000	N LN020000	V LV020000	5 ND050000
-6					f LF010000	o LO010000	w LW010000		F LF020000	O LO020000	W LW020000	6 ND060000
-7					g LG010000	p LP010000	x LX010000		G LG020000	P LP020000	X LX020000	7 ND070000
-8					h LH010000	q LQ010000	y LY010000		H LH020000	Q LQ020000	Y LY020000	8 ND080000
-9				' SD130000	i LI010000	r LR010000	z LZ010000		I LI020000	R LR020000	Z LZ020000	9 ND090000
-A	£ SC020000	! SP020000	 SM650000	: SP130000								
-B	. SP110000	¥ SC050000	, SP080000	# SM010000								
-C	< SA030000	* SM040000	% SM020000	@ SM050000								
-D	( SP060000	) SP070000	— SP090000	' SP050000								
-E	+ SA010000	; SP140000	> SA050000	= SA040000								
-F	 SM130000	∟ SM660000	? SP150000	" SP040000								

Legend:  
SP space



Japanese Katakana Code Page

(Q121 = 17)

Code page number = 290; Base character set = 332.

Hex Digits 1st → 2nd ↓	4-	5-	6-	7-	8-	9-	A-	B-	C-	D-	E-	F-
-0	SP SP010000	& SM030000	— SP100000			ヨ JS500000					\$ SC030000	0 ND100000
-1	° JQ700000	エ JE010000	/ SP120000		ア JA000000	タ JT100000	— SM150000		A LA020000	J LJ020000		1 ND010000
-2	「 JQ710000	カ JO010000			イ JI000000	チ JT200000	へ JH400000		B LB020000	K LK020000	S LS020000	2 ND020000
-3	」 JQ720000	キ JY110000			ウ JU000000	ツ JT300000	ホ JH500000		C LC020000	L LL020000	T LT020000	3 ND030000
-4	、 JQ730000	コ JY310000			エ JE000000	テ JT400000	マ JM100000		D LD020000	M LM020000	U LU020000	4 ND040000
-5	. JQ740000	コ JY510000			カ JO000000	ト JT500000	ミ JM200000		E LE020000	N LN020000	V LV020000	5 ND050000
-6	フ JW500000	ツ JT310000			カ JK100000	ナ JN100000	ム JM300000		F LF020000	O LO020000	W LW020000	6 ND060000
-7	ア JA010000				キ JK200000	ニ JN200000	メ JM400000		G LG020000	P LP020000	X LX020000	7 ND070000
-8	イ JI010000	— JX700000			ク JK300000	ヌ JN300000	モ JM500000		H LH020000	Q LQ020000	Y LY020000	8 ND080000
-9	ウ JU010000				ケ JK400000	ネ JN400000	ヤ JY100000		I LI020000	R LR020000	Z LZ020000	9 ND090000
-A	£ SC020000	! SP020000		:	コ JK500000	ノ JN500000	ユ JY300000	レ JR400000				
-B	. SP110000	¥ SC050000	,	# SM010000				ロ JR500000				
-C	< SA030000	* SM040000	% SM020000	@ SM050000	サ JS100000		ヨ JY500000	ワ JW100000				
-D	( SP060000	) SP070000	— SP090000	' SP050000	シ JS200000	ハ JH100000	ラ JR100000	ン JN000000				
-E	+ SA010000	; SP140000	> SA050000	= SA040000	ス JS300000	ヒ JH200000	リ JR200000	” JX710000				
-F	 SM130000	「 SM660000	? SP150000	" SP040000	セ JS400000	フ JH300000	ル JR300000	° JX720000				

Legend:  
SP space

Netherlands Code Page

(Q121 = 47)

Code page number = 037/1; CECP character set = 697/1; Base character set = 101.

Hex Digits 1st → 2nd ↓	4-	5-	6-	7-	8-	9-	A-	B-	C-	D-	E-	F-
-0	SP SP010000	& SM030000	- SP100000	ø LO610000	Ø LO620000	° SM190000	μ SM170000	^ SD150000	{ SM110000	}	\ SM070000	0 ND100000
-1	RSP SP300000	é LE110000	/ SP120000	É LE120000	a LA010000	j LJ010000	~ SD190000	£ SC020000	A LA020000	J LJ020000	÷ SA060000	1 ND010000
-2	â LA150000	ê LE150000	Â LA160000	Ê LE160000	b LB010000	k LK010000	s LS010000	¥ SC050000	B LB020000	K LK020000	S LS020000	2 ND020000
-3	ä LA170000	ë LE170000	Ä LA180000	Ë LE180000	c LC010000	l LL010000	t LT010000	· SD630000	C LC020000	L LL020000	T LT020000	3 ND030000
-4	à LA130000	è LE130000	À LA140000	È LE140000	d LD010000	m LM010000	u LU010000	© SM520000	D LD020000	M LM020000	U LU020000	4 ND040000
-5	á LA110000	í LI110000	Á LA120000	Í LI120000	e LE010000	n LN010000	v LV010000	§ SM240000	E LE020000	N LN020000	V LV020000	5 NDC50000
-6	ã LA190000	î LI150000	Ã LA200000	Î LI160000	f LF010000	o LO100000	w LW010000	π SM250000	F LF020000	O LO020000	W LW020000	6 ND060000
-7	å LA270000	ï LI170000	Å LA280000	Ï LI180000	g LG010000	p LP010000	x LX010000	¼ NF040000	G LG020000	P LP020000	X LX020000	7 ND070000
-8	ç LC410000	ì LI130000	Ç LC420000	Ì LI140000	h LH010000	q LQ010000	y LY010000	½ NF010000	H LH020000	Q LQ020000	Y LY020000	8 ND080000
-9	ñ LN190000	β LS610000	Ñ LN200000	´ SD130000	i LI010000	r LR010000	z LZ010000	¾ NF050000	I LI020000	R LR020000	Z LZ020000	9 ND090000
-A	ç SC040000	! SP020000	ı SM850000	: SP130000	« SP170000	ª SM210000	ı SP030000	[ SM060000	SHY SP320000	1 ND011000	2 ND021000	3 ND031000
-B	· SP110000	\$ SC030000	, SP080000	# SM010000	» SP180000	º SM200000	¿ SP160000	] SM080000	ô LO150000	û LU150000	Ô LO160000	Û LU160000
-C	< SA030000	* SM040000	% SM020000	@ SM050000	ð LD630000	æ LA510000	Ð LD620000	- SM150000	ö LO170000	ü LU170000	Ö LO180000	Ü LU180000
-D	( SP060000	) SP070000	_ SP090000	' SP050000	ý LY110000	, SD410000	Ý LY120000	¨ SD170000	ò LO130000	ù LU130000	Ò LO140000	Ù LU140000
-E	+ SA010000	; SP140000	> SA050000	= SA040000	þ LT630000	Æ LA520000	Þ LT640000	' SD110000	ó LO110000	ú LU110000	Ó LO120000	Ú LU120000
-F	 SM130000	¬ SM660000	? SP150000	" SP040000	± SA020000	◊ SC010000	® SM530000	x SA070000	õ LO160000	ÿ LY170000	Õ LO200000	

Legend:  
**RSP** required space  
**SHY** syllable hyphen  
**SP** space

Norwegian Code Page

(Q121 = 23)

Code page number = 277/1; CECP character set = 697/1; Base character set = 281.

Hex Digits 1st → 2nd ↓	4-	5-	6-	7-	8-	9-	A-	B-	C-	D-	E-	F-
-0	SP SP010000	& SM030000	- SP100000	ı SM650000	@ SM050000	° SM190000	μ SM170000	¢ SC040000	æ LA510000	à LA270000	\ SM070000	0 ND100000
-1	RSP SP300000	é LE110000	/ SP120000	É LE120000	a LA010000	j LJ010000	ü LU170000	£ SC020000	A LA020000	J LJ020000	÷ SA060000	1 ND010000
-2	â LA150000	ê LE150000	Â LA160000	Ê LE160000	b LB010000	k LK010000	s LS010000	¥ SC050000	B LB020000	K LK020000	S LS020000	2 ND020000
-3	ä LA170000	ë LE170000	Ä LA180000	Ë LE180000	c LC010000	l LL010000	t LT010000	· SD630000	C LC020000	L LL020000	T LT020000	3 ND030000
-4	à LA130000	è LE130000	À LA140000	È LE140000	d LD010000	m LM010000	u LU010000	© SM520000	D LD020000	M LM020000	U LU020000	4 ND040000
-5	á LA110000	í LI110000	Á LA120000	Í LI120000	e LE010000	n LN010000	v LV010000	§ SM240000	E LE020000	N LN020000	V LV020000	5 ND050000
-6	ã LA190000	î LI150000	Ã LA200000	Î LI160000	f LF010000	o LO010000	w LW010000	¶ SM250000	F LF020000	O LO020000	W LW020000	6 ND060000
-7	} SM140000	ï LI170000	\$ SC030000	İ LI180000	g LG010000	p LP010000	x LX010000	¼ NF040000	G LG020000	P LP020000	X LX020000	7 ND070000
-8	ç LC410000	ì LI130000	Ç LC420000	İ LI140000	h LH010000	q LQ010000	y LY010000	½ NF010000	H LH020000	Q LQ020000	Y LY020000	8 ND080000
-9	ñ LN190000	β LS610000	Ñ LN200000	` SD130000	i LI010000	r LR010000	z LZ010000	¾ NF050000	I LI020000	R LR020000	Z LZ020000	9 ND090000
-A	# SM010000	◊ SC010000	ø LO610000	: SP130000	« SP170000	ª SM210000	ı SP030000	¬ SM660000	SHY SP320000	1 ND011000	2 ND021000	3 ND031000
-B	· SP110000	Å LA280000	, SP080000	Æ LA520000	» SP180000	º SM200000	¿ SP160000	 SM130000	ô LO150000	û LU150000	Ô LO160000	Û LU160000
-C	< SA030000	* SM040000	% SM020000	Ø LO620000	ð LD630000	{ SM110000	Ð LD620000	- SM150000	ö LO170000	~ SD190000	Ö LO180000	Ü LU180000
-D	( SP060000	) SP070000	_ SP090000	' SP050000	ý LY110000	. SD410000	Ý LY120000	¨ SD170000	ò LO130000	ú LU130000	Ò LO140000	Û LU140000
-E	+ SA010000	; SP140000	> SA050000	= SA040000	þ LT630000	[ SM060000	Þ LT640000	' SD110000	ó LO110000	ú LU110000	Ó LO120000	Û LU120000
-F	! SP020000	^ SD150000	? SP150000	" SP040000	± SA020000	] SM080000	® SM530000	× SA070000	õ LO190000	ÿ LY170000	Ö LO200000	

Legend:  
**RSP** required space  
**SHY** syllable hyphen  
**SP** space

Portuguese Code Page

(Q121 = 28)

Code page number = 037/1; CECP character set = 697/1; Base character set = 1114.

Hex Digits 1st → 2nd ↓	4-	5-	6-	7-	8-	9-	A-	B-	C-	D-	E-	F-
-0	SP SP010000	& SM030000	- SP100000	ø LO610000	Ø LO620000	° SM190000	μ SM170000	^ SD150000	{ SM110000	}	\ SM070000	0 ND100000
-1	RSP SP300000	é LE110000	/ SP120000	É LE120000	a LA010000	j LJ010000	~ SD190000	£ SC020000	A LA020000	J LJ020000	÷ SA060000	1 ND010000
-2	â LA150000	ê LE150000	Â LA160000	Ê LE160000	b LB010000	k LK010000	s LS010000	¥ SC050000	B LB020000	K LK020000	S LS020000	2 ND020000
-3	ä LA170000	ë LE170000	Ä LA180000	Ë LE180000	c LC010000	l LL010000	t LT010000	· SD630000	C LC020000	L LL020000	T LT020000	3 ND030000
-4	à LA130000	è LE130000	À LA140000	È LE140000	d LD010000	m LM010000	u LU010000	© SM520000	D LD020000	M LM020000	U LU020000	4 ND040000
-5	á LA110000	í LI110000	Á LA120000	Í LI120000	e LE010000	n LN010000	v LV010000	§ SM240000	E LE020000	N LN020000	V LV020000	5 ND050000
-6	ã LA190000	î LI150000	Ã LA200000	Î LI160000	f LF010000	o LO010000	w LW010000	π SM250000	F LF020000	O LO020000	W LW020000	6 ND060000
-7	â LA270000	ï LI170000	Å LA280000	Ï LI180000	g LG010000	p LP010000	x LX010000	¼ NF040000	G LG020000	P LP020000	X LX020000	7 ND070000
-8	ç LC410000	ì LI130000	Ç LC420000	Ì LI140000	h LH010000	q LQ010000	y LY010000	½ NF010000	H LH020000	Q LQ020000	Y LY020000	8 ND080000
-9	ñ LN190000	β LS610000	Ñ LN200000	` SD130000	i LI010000	r LR010000	z LZ010000	¾ NF050000	I LI020000	R LR020000	Z LZ020000	9 ND090000
-A	ç SC040000	! SP020000	l SM650000	: SP130000	« SP170000	ª SM210000	i SP030000	[ SM060000	SHY SP320000	1 ND011000	2 ND021000	3 ND031000
-B	· SP110000	\$ SC030000	, SP080000	# SM010000	» SP180000	º SM200000	¿ SP160000	] SM080000	ø LO150000	û LU150000	ô LO160000	û LU160000
-C	< SA030000	* SM040000	% SM020000	@ SM050000	ð LD630000	æ LA510000	Ð LD620000	— SM150000	ö LO170000	ü LU170000	ö LO180000	ü LU180000
-D	( SP060000	) SP070000	_ SP090000	' SP050000	ý LY110000	· SD410000	Ý LY120000	¨ SD170000	ò LO130000	ù LU130000	ò LO140000	ù LU140000
-E	+ SA010000	; SP140000	> SA050000	= SA040000	þ LT630000	Æ LA520000	þ LT640000	' SD110000	ó LO110000	ú LU110000	ó LO120000	ú LU120000
-F	 SM130000	¬ SM660000	? SP150000	" SP040000	± SA020000	◊ SC010000	⊗ SM530000	× SA070000	õ LO190000	ÿ LY170000	ö LO200000	

Legend:

- RSP required space
- SHY syllable hyphen
- SP space

## ROECE Latin Code Page

(Q121 = 38)

Code page number = 870; Base character set = 1128.

Hex Digits 1st → 2nd ↓	4-	5-	6-	7-	8-	9-	A-	B-	C-	D-	E-	F-
-0	SP SP010000	& SM030000	— SP100000	˘ SD210000	˘ SD230000	◦ SD270000	ą LA430000	· SD290000	{ SM110000	}	\ SM070000	0 ND100000
-1	RSP SP300000	é LE110000	/ SP120000	É LE120000	a LA010000	j LJ010000	˜ SD190000	Ą LA440000	À LA020000	J LJ020000	÷ SA060000	1 ND010000
-2					b LB010000	k LK010000	s LS010000	ż LZ290000	B LB020000	K LK020000	S LS020000	2 ND020000
-3	ä LA170000	ë LE170000	Ä LA180000	Ë LE180000	c LC010000	l LL010000	t LT010000		C LC020000	L LL020000	T LT020000	3 ND030000
-4		û LU270000	” SD250000	Û LU280000	d LD010000	m LM010000	u LU010000	Ż LZ300000	D LD020000	M LM020000	U LU020000	4 ND040000
-5	á LA110000	í LI110000	Á LA120000	Í LI120000	e LE010000	n LN010000	v LV010000	§ SM240000	E LE020000	N LN020000	V LV020000	5 ND050000
-6	ã LA230000				f LF010000	o LO010000	w LW010000	ż LZ210000	F LF020000	O LO020000	W LW020000	6 ND060000
-7	č LC210000	ř LL210000	Č LC220000	Ř LL220000	g LG010000	p LP010000	x LX010000	ž LZ110000	G LG020000	P LP020000	X LX020000	7 ND070000
-8	ç LC410000	í LL110000	Ç LC420000	Ř LL120000	h LH010000	q LQ010000	y LY010000	Ž LZ220000	H LH020000	Q LQ020000	Y LY020000	8 ND080000
-9	ć LC110000	β LS610000	Ć LC120000	` SD130000	i LI010000	r LR010000	z LZ010000	Ž LZ120000	I LI020000	R LR020000	Z LZ020000	9 ND090000
-A	[ SM060000	] SM080000	 SM130000	: SP130000	ś LS110000	† LL610000	Ś LS120000	Ł LL620000	SHY SP320000	Ě LE220000	ď LD210000	Ď LD220000
-B	· SP110000	\$ SC030000	, SP080000	# SM010000	ñ LN210000	ń LN110000	Ń LN220000	Ň LN120000	ô LO150000	ú LU250000	ô LO160000	Ů LU260000
-C	< SA030000	* SM040000	% SM020000	@ SM050000	ď LD610000	š LS210000	Đ LD620000	Š LS220000	ö LO170000	ü LU170000	Ö LO180000	Ü LU180000
-D	( SP060000	) SP070000	— SP090000	' SP050000	ý LY110000	ÿ SD410000	Ý LY120000	¨ SD170000	ř LR110000	ř LT210000	Ř LR120000	Ř LT220000
-E	+ SA010000	; SP140000	> SA050000	= SA040000	ř LR210000	ł SD430000	Ř LR220000	' SD110000	ó LO110000	ú LU110000	Ó LO120000	Ú LU120000
-F	! SP020000	^ SD150000	? SP150000	" SP040000		⌘ SC010000		×	ó LO250000	ě LE210000	Ů LO260000	

**Note:** Because of Character Generator limitations, the character at X'41' may not display correctly.

**Legend:**

- RSP required space
- SHY syllable hyphen
- SP space

## Spanish Code Page

(Q121 = 19)

Code page number = 284/1; CECP character set = 697/1; Base character set = 650.

Hex Digits 1st → 2nd ↓	4-	5-	6-	7-	8-	9-	A-	B-	C-	D-	E-	F-
-0	SP SP010000	& SM030000	- SP100000	ø LO610000	Ø LO620000	° SM190000	μ SM170000	¢ SC040000	{ SM110000	}	\ SM070000	0 ND100000
-1	RSP SP300000	é LE110000	/ SP120000	É LE120000	á LA010000	¡ LJ010000	¨ SD170000	£ SC020000	À LA020000	Ê LJ020000	÷ SA060000	1 ND010000
-2	â LA150000	ê LE150000	Â LA160000	Ê LE160000	b LB010000	k LK010000	s LS010000	¥ SC050000	B LB020000	K LK020000	S LS020000	2 ND020000
-3	ä LA170000	ë LE170000	Ä LA180000	Ë LE180000	c LC010000	l LL010000	t LT010000	· SD630000	C LC020000	L LL020000	T LT020000	3 ND030000
-4	à LA130000	è LE130000	À LA140000	È LE140000	d LD010000	m LM010000	u LU010000	© SM520000	D LD020000	M LM020000	U LU020000	4 ND040000
-5	á LA110000	í LI110000	Á LA120000	Í LI120000	e LE010000	n LN010000	v LV010000	§ SM240000	E LE020000	N LN020000	V LV020000	5 ND050000
-6	ã LA190000	î LI150000	Ã LA200000	Ï LI160000	f LF010000	o LO010000	w LW010000	¶ SM250000	F LF020000	O LO020000	W LW020000	6 ND060000
-7	å LA270000	ï LI170000	Å LA280000	Ï LI180000	g LG010000	p LP010000	x LX010000	¼ NF040000	G LG020000	P LP020000	X LX020000	7 ND070000
-8	ç LC410000	ì LI130000	Ç LC420000	Ì LI140000	h LH010000	q LQ010000	y LY010000	½ NF010000	H LH020000	Q LQ020000	Y LY020000	8 ND080000
-9	ï SM650000	β LS610000	# SM010000	` SD130000	í LI010000	r LR010000	z LZ010000	¾ NF050000	I LI020000	R LR020000	Z LZ020000	9 ND090000
-A	[ SM060000	] SM080000	ñ LN190000	: SP130000	« SP170000	ª SM210000	ï SP030000	^ SD150000	SHY SP320000	1 ND011000	2 ND021000	3 ND031000
-B	· SP110000	\$ SC030000	, SP080000	Ñ LN200000	» SP180000	º SM200000	¿ SP160000	! SP020000	ô LO150000	û LU150000	ô LO160000	û LU160000
-C	< SA030000	* SM040000	% SM020000	@ SM050000	ö LD630000	æ LA510000	Ð LD620000	- SM150000	ö LO170000	ü LU170000	ö LO180000	ü LU180000
-D	( SP060000	) SP070000	_ SP090000	' SP050000	ý LY110000	· SD410000	Ý LY120000	~ SD190000	ò LO130000	ù LU130000	ò LO140000	ù LU140000
-E	+ SA010000	; SP140000	> SA050000	= SA040000	þ LT630000	Æ LA520000	þ LT640000	' SD110000	ó LO110000	ú LU110000	ó LO120000	ú LU120000
-F	 SM130000	¬ SM660000	? SP150000	" SP040000	± SA020000	◊ SC010000	® SM530000	x SA070000	õ LO190000	ÿ LY170000	ö LO200000	

## Legend:

RSP required space

SHY syllable hyphen

SP space

Spanish-Speaking Code Page

(Q121 = 21)

Code page number = 284/1; CECP character set = 697/1; Base character set = 309.

Hex Digits 1st → 2nd ↓	4-	5-	6-	7-	8-	9-	A-	B-	C-	D-	E-	F-
<b>-0</b>	SP SP010000	& SM030000	- SP100000	ø LO610000	Ø LO620000	° SM190000	μ SM170000	ϕ SC040000	{ SM110000	}	\ SM070000	0 ND100000
<b>-1</b>	RSP SP300000	é LE110000	/ SP120000	É LE120000	a LA010000	j LJ010000	.. SD170000	£ SC020000	A LA020000	J LJ020000	÷ SA060000	1 ND010000
<b>-2</b>	â LA150000	ê LE150000	Â LA160000	Ê LE160000	b LB010000	k LK010000	s LS010000	¥ SC050000	B LB020000	K LK020000	S LS020000	2 ND020000
<b>-3</b>	ä LA170000	ë LE170000	Ä LA180000	Ë LE180000	c LC010000	l LL010000	t LT010000	· SD630000	C LC020000	L LL020000	T LT020000	3 ND030000
<b>-4</b>	à LA130000	è LE130000	À LA140000	È LE140000	d LD010000	m LM010000	u LU010000	© SM520000	D LD020000	M LM020000	U LU020000	4 ND040000
<b>-5</b>	á LA110000	í LI110000	Á LA120000	Í LI120000	e LE010000	n LN010000	v LV010000	§ SM240000	E LE020000	N LN020000	V LV020000	5 ND050000
<b>-6</b>	ã LA190000	î LI150000	Ã LA200000	Î LI160000	f LF010000	o LO010000	w LW010000	¶ SM250000	F LF020000	O LO020000	W LW020000	6 ND060000
<b>-7</b>	â LA270000	ï LI170000	Ä LA280000	Ï LI180000	g LG010000	p LP010000	x LX010000	¼ NF040000	G LG020000	P LP020000	X LX020000	7 ND070000
<b>-8</b>	ç LC410000	ì LI130000	Ç LC420000	Ì LI140000	h LH010000	q LQ010000	y LY010000	½ NF010000	H LH020000	Q LQ020000	Y LY020000	8 ND080000
<b>-9</b>	ì SM650000	ß LS610000	# SM010000	` SD130000	i LI010000	r LR010000	z LZ010000	¾ NF050000	I LI020000	R LR020000	Z LZ020000	9 ND090000
<b>-A</b>	[ SM060000	] SM080000	ñ LN190000	: SP130000	« SP170000	ª SM210000	í SP030000	^ SD150000	SHY SP320000	1 ND011000	2 ND021000	3 ND031000
<b>-B</b>	· SP110000	\$ SC030000	, SP080000	Ñ LN200000	» SP180000	º SM200000	¿ SP160000	! SP020000	ô LO150000	û LU150000	ô LO160000	û LU160000
<b>-C</b>	< SA030000	* SM040000	% SM020000	@ SM050000	ö LD630000	æ LA510000	Ð LD620000	- SM150000	ö LO170000	ü LU170000	Ö LO180000	Ü LU180000
<b>-D</b>	( SP060000	) SP070000	_ SP090000	' SP050000	ý LY110000	· SD410000	Ý LY120000	~ SD190000	ò LO130000	ú LU130000	Ò LO140000	Ù LU140000
<b>-E</b>	+ SA010000	; SP140000	> SA050000	= SA040000	þ LT630000	Æ LA520000	þ LT640000	' SD110000	ó LO110000	ú LU110000	Ó LO120000	Ú LU120000
<b>-F</b>	 SM130000	¬ SM660000	? SP150000	" SP040000	± SA020000	◊ SC010000	® SM530000	x SA070000	õ LO190000	ÿ LY170000	Ö LO200000	

Legend:

- RSP required space
- SHY syllable hyphen
- SP space

Swedish Code Page

(Q121 = 24)

Code page number = 278/1; CECP character set = 697/1; Base character set = 285.

Hex Digits 1st → 2nd ↓	4-	5-	6-	7-	8-	9-	A-	B-	C-	D-	E-	F-
-0	SP SP010000	& SM030000	- SP100000	ø LO610000	Ø LO620000	° SM190000	μ SM170000	¢ SC040000	ä LA170000	å LA270000	É LE120000	0 ND100000
-1	RSP SP300000	\' SD130000	/ SP120000	\ SM070000	a LA010000	j LJ010000	ü LU170000	£ SC020000	À LA020000	Å LJ020000	÷ SA060000	1 ND010000
-2	â LA150000	ê LE150000	Â LA160000	Ê LE160000	b LB010000	k LK010000	s LS010000	¥ SC050000	B LB020000	K LK020000	S LS020000	2 ND020000
-3	{ SM110000	ë LE170000	# SM010000	Ë LE180000	c LC010000	l LL010000	t LT010000	• SD630000	C LC020000	L LL020000	T LT020000	3 ND030000
-4	à LA130000	è LE130000	À LA140000	È LE140000	d LD010000	m LM010000	u LU010000	© SM520000	D LD020000	M LM020000	U LU020000	4 ND040000
-5	á LA110000	í LI110000	Á LA120000	Í LI120000	e LE010000	n LN010000	v LV010000	[ SM060000	E LE020000	N LN020000	V LV020000	5 ND050000
-6	ã LA190000	î LI150000	Ã LA200000	Î LI160000	f LF010000	o LO010000	w LW010000	π SM250000	F LF020000	O LO020000	W LW020000	6 ND060000
-7	}	ï LI170000	\$ SC030000	Ï LI180000	g LG010000	p LP010000	x LX010000	¼ NF040000	G LG020000	P LP020000	X LX020000	7 ND070000
-8	ç LC410000	ì LI130000	Ç LC420000	Ì LI140000	h LH010000	q LQ010000	y LY010000	½ NF010000	H LH020000	Q LQ020000	Y LY020000	8 ND080000
-9	ñ LN190000	β LS610000	Ñ LN200000	é LE110000	i LI010000	r LR010000	z LZ010000	¾ NF050000	I LI020000	R LR020000	Z LZ020000	9 ND090000
-A	§ SM240000	◊ SC010000	ö LO170000	: SP130000	« SP170000	≡ SM210000	ı SP030000	¬ SM660000	SHY SP320000	1 ND011000	2 ND021000	3 ND031000
-B	• SP110000	Ä LA280000	, SP080000	Ä LA180000	» SP180000	º SM200000	ı SP160000	 SM130000	ô LO150000	û LU150000	Ô LO160000	Û LU160000
-C	< SA030000	* SM040000	% SM020000	Ö LO180000	ö LD630000	æ LA510000	Ð LD620000	- SM150000	 SM650000	~ SD190000	@ SM050000	Ü LU180000
-D	( SP060000	) SP070000	_ SP090000	' SP050000	ý LY110000	• SD410000	Ý LY120000	¨ SD170000	ò LO130000	ú LU130000	Ò LO140000	Û LU140000
-E	+ SA010000	; SP140000	> SA050000	= SA040000	þ LT630000	Æ LA520000	þ LT640000	' SD110000	ó LO110000	ú LU110000	Ó LO120000	Ü LU120000
-F	! SP020000	^ SD150000	? SP150000	" SP040000	± SA020000	] SM080000	® SM530000	x SA070000	õ LO190000	ÿ LY170000	Ö LO200000	

Legend:

- RSP required space
- SHY syllable hyphen
- SP space



## Swiss-French (New) Code Page

(Q121 = 41)

Code page number = 500/1; CECP character set = 697/1; Base character set = 908.

Hex Digits 1st → 2nd ↓	4-	5-	6-	7-	8-	9-	A-	B-	C-	D-	E-	F-
<b>-0</b>	SP SP010000	& SM030000	- SP100000	ø LO610000	Ø LO620000	° SM190000	μ SM170000	¢ SC040000	{ SM110000	}	\ SM070000	0 ND100000
<b>-1</b>	RSP SP300000	é LE110000	/ SP120000	É LE120000	a LA010000	j LJ010000	~ SD190000	£ SC020000	A LA020000	J LJ020000	÷ SA060000	1 ND010000
<b>-2</b>	â LA150000	ê LE150000	Â LA160000	Ê LE160000	b LB010000	k LK010000	s LS010000	¥ SC050000	B LB020000	K LK020000	S LS020000	2 ND020000
<b>-3</b>	ä LA170000	ë LE170000	Ä LA180000	Ë LE180000	c LC010000	l LL010000	t LT010000	· SD630000	C LC020000	L LL020000	T LT020000	3 ND030000
<b>-4</b>	à LA130000	è LE130000	À LA140000	È LE140000	d LD010000	m LM010000	u LU010000	© SM520000	D LD020000	M LM020000	U LU020000	4 ND040000
<b>-5</b>	á LA110000	í LI110000	Á LA120000	Í LI120000	e LE010000	n LN010000	v LV010000	§ SM240000	E LE020000	N LN020000	V LV020000	5 ND050000
<b>-6</b>	ã LA190000	î LI150000	Ã LA200000	Ï LI160000	f LF010000	o LO010000	w LW010000	¶ SM250000	F LF020000	O LO020000	W LW020000	6 ND060000
<b>-7</b>	â LA270000	ï LI170000	Â LA280000	Ï LI180000	g LG010000	p LP010000	x LX010000	¼ NF040000	G LG020000	P LP020000	X LX020000	7 ND070000
<b>-8</b>	ç LC410000	ì LI130000	Ç LC420000	Ì LI140000	h LH010000	q LQ010000	y LY010000	½ NF010000	H LH020000	Q LQ020000	Y LY020000	8 ND080000
<b>-9</b>	ñ LN190000	β LS610000	Ñ LN200000	` SD130000	i LI010000	r LR010000	z LZ010000	¾ NF050000	I LI020000	R LR020000	Z LZ020000	9 ND090000
<b>-A</b>	[ SM060000	] SM080000	ı SM650000	: SP130000	« SP170000	ª SM210000	ı SP030000	¬ SM660000	SHY SP320000	1 ND011000	2 ND021000	3 ND031000
<b>-B</b>	. SP110000	\$ SC030000	, SP080000	# SM010000	» SP180000	º SM200000	¿ SP160000	 SM130000	ø LO150000	ù LU150000	ô LO160000	û LU160000
<b>-C</b>	< SA030000	* SM040000	% SM020000	@ SM050000	ð LD630000	æ LA510000	Ð LD620000	- SM150000	ö LO170000	ü LU170000	ö LO180000	ü LU180000
<b>-D</b>	( SP060000	) SP070000	_ SP090000	' SP050000	ý LY110000	ÿ SD410000	Ý LY120000	¨ SD170000	ò LO130000	ù LU130000	ò LO140000	ù LU140000
<b>-E</b>	+ SA010000	; SP140000	> SA050000	= SA040000	þ LT630000	Æ LA520000	Þ LT640000	' SD110000	ó LO110000	ú LU110000	ó LO120000	ú LU120000
<b>-F</b>	! SP020000	^ SD150000	? SP150000	" SP040000	± SA020000	◊ SC010000	® SM530000	x SA070000	õ LO190000	ÿ LY170000	õ LO200000	

**Legend:**

- RSP required space
- SHY syllable hyphen
- SP space

## Swiss-German (New) Code Page

(Q121 = 42)

Code page number = 500/1; CECP character set = 697/1; Base character set = 908.

Hex Digits 1st → 2nd ↓	4-	5-	6-	7-	8-	9-	A-	B-	C-	D-	E-	F-
<b>-0</b>	SP SP010000	& SM030000	- SP100000	ø LO610000	Ø LO620000	° SM190000	μ SM170000	ϕ SC040000	{ SM110000	}	\ SM070000	0 ND100000
<b>-1</b>	RSP SP300000	é LE110000	/ SP120000	É LE120000	a LA010000	j LJ010000	~ SD190000	£ SC020000	A LA020000	J LJ020000	÷ SA060000	1 ND010000
<b>-2</b>	â LA150000	ê LE150000	Â LA160000	Ê LE160000	b LB010000	k LK010000	s LS010000	¥ SC050000	B LB020000	K LK020000	S LS020000	2 ND020000
<b>-3</b>	ä LA170000	ë LE170000	Ä LA180000	Ë LE180000	c LC010000	l LL010000	t LT010000	· SD630000	C LC020000	L LL020000	T LT020000	3 ND030000
<b>-4</b>	à LA130000	è LE130000	À LA140000	È LE140000	d LD010000	m LM010000	u LU010000	© SM520000	D LD020000	M LM020000	U LU020000	4 ND040000
<b>-5</b>	á LA110000	í LI110000	Á LA120000	Í LI120000	e LE010000	n LN010000	v LV010000	§ SM240000	E LE020000	N LN020000	V LV020000	5 ND050000
<b>-6</b>	ã LA190000	ï LI150000	Ã LA200000	Ï LI160000	f LF010000	o LO010000	w LW010000	π SM250000	F LF020000	O LO020000	W LW020000	6 ND060000
<b>-7</b>	â LA270000	ï LI170000	Ä LA280000	Ï LI180000	g LG010000	p LP010000	x LX010000	¼ NF040000	G LG020000	P LP020000	X LX020000	7 ND070000
<b>-8</b>	ç LC410000	ì LI130000	Ç LC420000	Ì LI140000	h LH010000	q LQ010000	y LY010000	½ NF010000	H LH020000	Q LQ020000	Y LY020000	8 ND080000
<b>-9</b>	ñ LN190000	β LS610000	Ñ LN200000	´ SD130000	i LI010000	r LR010000	z LZ010000	¾ NF050000	I LI020000	R LR020000	Z LZ020000	9 ND090000
<b>-A</b>	[ SM060000	] SM080000	ı SM650000	: SP130000	« SP170000	ª SM210000	ı SP030000	¬ SM660000	SHY SP320000	1 ND011000	2 ND021000	3 ND031000
<b>-B</b>	· SP110000	\$ SC030000	, SP080000	# SM010000	» SP180000	¿ SM200000	ı SP160000	 SM130000	ô LO150000	û LU150000	ô LO160000	û LU160000
<b>-C</b>	< SA030000	* SM040000	% SM020000	@ SM050000	ď LD630000	æ LA510000	Ð LD620000	- SM150000	ö LO170000	ü LU170000	Ö LO180000	Ü LU180000
<b>-D</b>	( SP060000	) SP070000	— SP090000	’ SP050000	ý LY110000	ÿ SD410000	Ý LY120000	¨ SD170000	ò LO130000	ù LU130000	Ò LO140000	Ù LU140000
<b>-E</b>	+ SA010000	; SP140000	> SA050000	= SA040000	þ LT630000	Æ LA520000	þ LT640000	’ SD110000	ó LO110000	ú LU110000	Ó LO120000	Ú LU120000
<b>-F</b>	! SP020000	^ SD150000	? SP150000	” SP040000	± SA020000	Œ SC010000	® SM530000	x SA070000	õ LO190000	ÿ LY170000	Œ LO200000	

**Legend:**

- RSP required space
- SHY syllable hyphen
- SP space

Thai Code Page

(Q121 = 46)

Code page number = 838; Base character set = 938.

Hex Digits 1st → 2nd ↓	4-	5-	6-	7-	8-	9-	A-	B-	C-	D-	E-	F-
-0	SP SP010000	& SM030000	- SP100000	฿ SC130000				○ ND100002	{ SM110000	}	\ SM070000	0 ND100000
-1			/ SP120000		a LA010000	j LJ010000	~ SD190000	๑ ND010002	A LA020000	J LJ020000		1 ND010000
-2	ก BK100000	ข BC100000	ฃ BT100000	ง BT600000	b LB010000	k LK010000	s LS010000	๒ ND020002	B LB020000	K LK020000	S LS020000	2 ND020000
-3	ช BK200000	ฅ BX100000	ฉ BT200000	ค BT700000	c LC010000	l LL010000	t LT010000	๓ ND030002	C LC020000	L LL020000	T LT020000	3 ND030000
-4	ฆ BK300000	ช BS100000	๗ BT300000	ด BT800000	d LD010000	m LM010000	u LU010000	๔ ND040002	D LD020000	M LM020000	U LU020000	4 ND040000
-5	ค BK400000	๘ BX200000	๘ BT400000	น BN300000	e LE010000	n LN010000	v LV010000	๕ ND050002	E LE020000	N LN020000	V LV020000	5 ND050000
-6	ค BK500000	ฅ BX300000	๘ BN200000	บ BB100000	f LF010000	o LO010000	w LW010000	๖ ND060002	F LF020000	O LO020000	W LW020000	6 ND060000
-7	๘ BK600000	ฅ BY100000	ค BD200000	ป BP100000	g LG010000	p LP010000	x LX010000	๗ ND070002	G LG020000	P LP020000	X LX020000	7 ND070000
-8	๙ BN100000	ฃ BD100000	ค BT500000	พ BP200000	h LH010000	q LQ010000	y LY010000	๘ ND080002	H LH020000	Q LQ020000	Y LY020000	8 ND080000
-9				' SD130000	i LI010000	r LR010000	z LZ010000	๙ ND090002	I LI020000	R LR020000	Z LZ020000	9 ND090000
-A	๐ SC040000	! SP020000	! SM650000	: SP130000	๑ BF100000	๑ BR100000	๑ BS300000	๑ BQ200000	.	๑ BQ300000	๑ BA700000	+ BZ400000
-B	. SP110000	\$ SC030000	, SP080000	# SM010000	๑ BP300000	๑ BR200000	๑ BS400000	๑ BA200000	๑ BI200000	๑ BE200000	๑ BQ100000	๑ BZ500000
-C	< SA030000	* SM040000	% SM020000	@ SM050000	๑ BF200000	๑ BL100000	๑ BH100000	๑ BA100000	๑ BU100000	๑ BE300000	๑ BE100000	๑ BN400000
-D	( SP060000	) SP070000	- SP090000	' SP050000	๑ BP400000	๑ BL200000	๑ BL300000	๑ BA300000	๑ BU200000	๑ BO200000	๑ BZ100000	
-E	+ SA010000	; SP140000	> SA050000	= SA040000	๑ BM100000	๑ BW100000	๑ BO100000	๑ BA400000	๑ BU300000	๑ BA500000	๑ BZ200000	
-F	 SM130000	๑ SM660000	? SP150000	" SP040000	๑ BY200000	๑ BS200000	๑ BH200000	๑ BI100000	๑ BU400000	๑ BA600000	๑ BZ300000	

Legend:  
SP space

# Turkish Code Page

(Q121 = 39)

Code page number = 905; Base character set = 1127.

Hex Digits 1st → 2nd ↓	4-	5-	6-	7-	8-	9-	A-	B-	C-	D-	E-	F-
-0	SP SP010000	& SM030000	— SP100000		˘ SD230000	◦ SM190000	μ SM170000	· SD290000	ç LC410000	ğ LG230000	ü LU170000	0 ND100000
-1		é LE110000	/ SP120000	É LE120000	a LA010000	j LJ010000	ö LO170000	£ SC020000	À LA020000	J LJ020000	÷ SA060000	1 ND010000
-2	â LA150000	ê LE150000	Â LA160000	Ê LE160000	b LB010000	k LK010000	s LS010000	ż LZ290000	B LB020000	K LK020000	S LS020000	2 ND020000
-3	ä LA170000	ë LE170000	Ä LA180000	Ë LE180000	c LC010000	l LL010000	t LT010000	}	C LC020000	L LL020000	T LT020000	3 ND030000
-4	à LA130000	è LE130000	À LA140000	È LE140000	d LD010000	m LM010000	u LU010000	ž LZ300008	D LD020000	M LM020000	U LU020000	4 ND040000
-5	á LA110000	í LI110000	Á LA120000	Í LI120000	e LE010000	n LN010000	v LV010000	§ SM240000	E LE020000	N LN020000	V LV020000	5 ND050000
-6		î LI150000		Î LI160000	f LF010000	o LO010000	w LW010000	] SM080000	F LF020000	O LO020000	W LW020000	6 ND060000
-7	ç LC290000	ï LI170000	Ç LC300000	Ï LI180000	g LG010000	p LP010000	x LX010000		G LG020000	P LP020000	X LX020000	7 ND070000
-8	{ SM110000	ì LI130000	[ SM060000	Ì LI140000	h LH010000	q LQ010000	y LY010000	½ NF010000	H LH020000	Q LQ020000	Y LY020000	8 ND080000
-9	ñ LN190000	β LS610000	Ñ LN200000	ı LI610000	i LI010000	r LR010000	z LZ010000	\$ SC030000	I LI020000	R LR020000	Z LZ020000	9 ND090000
-A	Ç LC420000	Ğ LG240000	Ş LS410000	:	ħ LH610000	ĥ LH150000	⌘ LH620000	Ĥ LH160000	SHY SP320000	` SD130000	² ND021000	³ ND031000
-B	· SP110000	İ LI300000	,	Ö LO180000	ĉ LC150000	ĝ LG150000	Ĉ LC160000	Ĝ LG160000	ô LO150000	û LU150000	Ô LO160000	Û LU160000
-C	< SA030000	* SM040000	% SM020000	Ş LS420000	ŝ LS150000	ĵ LJ150000	Ŝ LS160000	Ĵ LJ160000	~ SD190000	\ SM070000	# SM010000	" SP040000
-D	( SP060000	) SP070000	_ SP090000	' SP050000	ű LU230000	ş SD410000	Ű LU240000	¨ SD170000	ò LO130000	ù LU130000	Ò LO140000	Ù LU140000
-E	+ SA010000	; SP140000	> SA050000	= SA040000				' SD110000	ó LO110000	ú LU110000	Ó LO120000	Ú LU120000
-F	! SP020000	^ SD150000	? SP150000	Ü LU180000	 SM130000	⌘ SC010000	@ SM050000	× SA070000	ğ LG290000		Ğ LG300000	

**Legend:**  
 SHY syllable hyphen  
 SP space

# Yugoslav Code Page

## Yugoslav Code Page

(Q121 = 40)

Code page number = 870; Base character set = 1128.

Hex Digits 1st → 2nd ↓	4-	5-	6-	7-	8-	9-	A-	B-	C-	D-	E-	F-
-0	SP SP010000	& SM030000	— SP100000	ˇ SD210000	ˇ SD230000	° SD270000	ą LA430000	· SD290000	{ SM110000	}	\ SM070000	0 ND100000
-1	RSP SP300000	é LE110000	/ SP120000	É LE120000	a LA010000	j LJ010000	~ SD190000	Ą LA440000	A LA020000	J LJ020000	÷ SA060000	1 ND010000
-2					b LB010000	k LK010000	s LS010000	ż LZ290000	B LB020000	K LK020000	S LS020000	2 ND020000
-3	ä LA170000	ë LE170000	Ä LA180000	Ë LE180000	c LC010000	l LL010000	t LT010000		C LC020000	L LL020000	T LT020000	3 ND030000
-4		ü LU270000	" SD250000	Û LU280000	d LD010000	m LM010000	u LU010000	Ż LZ300000	D LD020000	M LM020000	U LU020000	4 ND040000
-5	á LA110000	í LI110000	Á LA120000	Í LI120000	e LE010000	n LN010000	v LV010000	§ SM240000	E LE020000	N LN020000	V LV020000	5 ND050000
-6	ǎ LA230000				f LF010000	o LO010000	w LW010000	ż LZ210000	F LF020000	O LO020000	W LW020000	6 ND060000
-7	č LC210000	ĭ LL210000	Č LC220000	Ľ LL220000	g LG010000	p LP010000	x LX010000	ż LZ110000	G LG020000	P LP020000	X LX020000	7 ND070000
-8	ç LC410000	í LL110000	Ç LC420000	Ľ LL120000	h LH010000	q LQ010000	y LY010000	Ž LZ220000	H LH020000	Q LQ020000	Y LY020000	8 ND080000
-9	ć LC110000	β LS610000	Ć LC120000	` SD130000	i LI010000	r LR010000	z LZ010000	Ž LZ120000	I LI020000	R LR020000	Z LZ020000	9 ND090000
-A	[ SM060000	] SM080000	 SM130000	: SP130000	ś LS110000	ł LL610000	Ś LS210000	Ł LL620000	SHY SP320000	Ě LE220000	ď LD210000	Ď LD220000
-B	. SP110000	\$ SC030000	, SP080000	# SM010000	ň LN210000	ń LN110000	Ń LN220000	Ň LN120000	ô LO150000	ú LU250000	Ô LO160000	Ů LU260000
-C	< SA030000	* SM040000	% SM020000	@ SM050000	đ LD610000	š LS210000	Đ LD620000	Š LS220000	ö LO170000	ü LU170000	Ö LO180000	Ü LU180000
-D	( SP060000	) SP070000	_ SP090000	' SP050000	ý LY110000	š SD410000	Ý LY120000	Š SD170000	ř LR110000	ť LT210000	Ř LR120000	Ť LT220000
-E	+ SA010000	; SP140000	> SA050000	= SA040000	ř LR210000	š SD430000	Ř LR220000	Š SD110000	ó LO110000	ú LU110000	Ó LO120000	Ú LU120000
-F	! SP020000	^ SD150000	? SP150000	" SP040000		⊗ SC010000		× SA070000	ó LO250000	ě LE210000	Ů LO260000	

Note: Because of Character Generator limitations, the character at X'41' may not display correctly.

**Legend:**

- RSP required space
- SHY syllable hyphen
- SP space

3289 Text Print Feature Code Page

Hex Digits 1st → 2nd ↓	4-	5-	6-	7-	8-	9-	A-	B-	C-	D-	E-	F-
-0	SP SP010000	& SM030000	— SP100000				— SA001000	0 ND101000	{ SM110000	} SM140000	\ SM070000	0 ND100000
-1		/ SP120000			a LA010000	j LJ010000	° SM190000	1 ND011000	A LA020000	J LJ020000		1 ND010000
-2					b LB010000	k LK010000	s LS010000	2 ND021000	B LB020000	K LK020000	S LS020000	2 ND020000
-3					c LC010000	l LL010000	t LT010000	3 ND031000	C LC020000	L LL020000	T LT020000	3 ND030000
-4					d LD010000	m LM010000	u LU010000	4 ND041000	D LD020000	M LM020000	U LU020000	4 ND040000
-5					e LE010000	n LN010000	v LV010000	5 ND051000	E LE020000	N LN020000	V LV020000	5 ND050000
-6					f LF010000	o LO010000	w LW010000	6 ND061000	F LF020000	O LO020000	W LW020000	6 ND060000
-7					g LG010000	p LP010000	x LX010000	7 ND071000	G LG020000	P LP020000	X LX020000	7 ND070000
-8					h LH010000	q LQ010000	y LY010000	8 ND081000	H LH020000	Q LQ020000	Y LY020000	8 ND080000
-9				` SD130000	i LI010000	r LR010000	z LZ010000	9 ND091000	I LI020000	R LR020000	Z LZ020000	9 ND090000
-A	¢ SC040000	! SP020000	‡ SM650000	: SP130000								
-B	. SP110000	\$ SC030000	, SP080000	# SM010000	{ SM110000	} SM140000	⌒ SF020000	⌒ SF040000				
-C	< SA030000	* SM040000	% SM020000	@ SM050000	≤ SA520000	◻ SM490000	⌒ SF010000	⌒ SF030000				
-D	( SP060000	) SP070000	— SP090000	' SP050000	( SP061000	) SP071000	[ SM060000	] SM080000				
-E	+ SA010000	; SP140000	> SA050000	= SA040000	+ SA011000	± SA020000	≥ SA530000	≠ SA540000				
-F	 SM130000	⌒ SM660000	? SP150000	" SP040000	+ SF050000	■ SM470000	• SM570000	— SF100000				

**Note:** Character code X'A1' causes a degree (°) symbol to print when the 3289 Text Print belt is installed and an equivalent (~) symbol when a U.S.A. English print belt is installed.

**Legend:**  
SP space

---

## Chapter 6. 3270 Character Generators

This chapter contains illustrations depicting the characters that can be generated by 3270 character generators within the 3270 Information Display System terminals. The character generators present a visual reproduction of the character on the display screen or printer. The exact shapes of the characters shown in this chapter may vary slightly from those you see displayed or printed, depending on how your display or printer forms the characters.

A *standard* character generator is normally used in 3270 display terminals; however, there are cases where a unique character generator is supplied for a particular language.

The following illustrations show the character generator contents for the language and display type noted.

# Base Character Set Character Generator

## Base Character Set Character Generator

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0	NULL	SP	0	&	`a	ä	À	Ä	a	q	A	Q		P		✂
1	EM	=	1	—	è	ë	È	Ë	b	r	B	R		S		—
2	FF	'	2	.	ì	ï	Ì	Ï	c	s	C	S		A □		⌚
3	NL	"	3	,	ò	ö	Ò	Ö	d	t	D	T		^		—
4	STOP	/	4	:	ù	ü	Ù	Ü	e	u	E	U		B □		⌚
5	SUP. SKIP	\	5	+	ã	â	Ã	Â	f	v	F	V		6 □		⌋
6	RES		6	⌋	õ	ê	Õ	Ê	g	w	G	W		▶		×
7	RES		7	—	ÿ	î	Y	Î	h	x	H	X		□		■
8	>	?	8	°	à	ô	A	Ô	i	y	I	Y		→		←
9	<	!	9	∨	è	û	E	Û	j	z	J	Z		⊘		⊘
A	[	\$	ß	^	é	á	E	Á	k	æ	K	Æ		↑		○
B	]	¢	§	~	ì	é	l	É	l	ø	L	Ø		⊕		π
C	)	£	#	¨	ò	í	O	Í	m	à	M	Å				4 □
D	(	¥	@	`	ù	ó	U	Ó	n	ç	N	Ç		↓		≠
E	}	Pl	%	'	ü	ú	Y	Ú	o	— ;	O	;		?		≡
F	{	⌘	—	,	ç	ñ	C	Ñ	p	— *	P	*		■		⊕



APL/APL2 Character Generator

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0		SP	◊	∥		≥	}	{	△	0				P		☼
1				—	↑	◦	<u>A</u>	<u>J</u>	◦	1	§			S		Ⓐ
2			⊠		≤	α	<u>B</u>	<u>K</u>	<u>S</u>	2	↓	⊥				Ⓜ
3			<u>l</u>		┌	ε	<u>C</u>	<u>L</u>	<u>I</u>	3	..	!				▶
4			<u>ε</u>		└	l	<u>D</u>	<u>M</u>	<u>U</u>	4	θ					Ⓝ
5			┌	▬	→	ρ	<u>E</u>	<u>N</u>	<u>V</u>	5	⊠					
6			└	▬	□	ω	<u>F</u>	<u>O</u>	<u>W</u>	6	▽	ψ				
7				▬	∩	x	<u>G</u>	<u>P</u>	<u>X</u>	7	⊕	⊕				
8			≡	▬	∪	\	<u>H</u>	<u>Q</u>	<u>Y</u>	8	⊖	⊖				
9				⊠	○	X	<u>I</u>	<u>R</u>	<u>Z</u>	9	⊗	—				
A			∴	—	←	▽	1	2	3	n	↗	⊠				
B				•	~	△		⊗	└	└	↖	⊠				
C			⊠		∩	T	—		┌	└	^	π				
D					U		(	)	┌	└	∨	~				
E			⊠		⊥	≠	+	±	┌	└	⊕	≠				
F					┌		+	⊠	•	—	⊗	↗				

Note: The characters shown with the blackened upper-left corner are APL2 characters only.

**CECP Character Generator**

**CECP Character Generator**

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0	Null	SP	0	&	à	ä	À	Ä	a	q	A	Q		P		✂
1	÷	=	1	—	è	ë	È	Ë	b	r	B	R		S		—
2	RSP	'	2	.	ì	ï	Ì	Ï	c	s	C	S		A □		—
3	—	"	3	,	ò	ö	Ò	Ö	d	t	D	T		^		—
4	¼	/	4	:	ù	ü	Ù	Ü	e	u	E	U		B □		↻
5	¾	\	5	+	ã	â	Ã	Â	f	v	F	V		6 □		↻
6	®		6	⌋	õ	ê	Õ	Ê	g	w	G	W		▶		×
7	©	¡	7	—	ÿ	î	±	Î	h	x	H	X		□		■
8	>	?	8	°	b	ô	Ḃ	Ô	i	y	I	Y		→		←
9	<	!	9	μ	đ	û	Đ	Û	j	z	J	Z		↘		↘
A	[	\$	β	^	«	á	½	Á	k	æ	K	Æ		↑		○
B	]	¢	§	~	¹	é	¿	É	l	ø	L	Ø		⚙		π
C	)	£	#	¨	»	í	ı	Í	m	à	M	À		B		4 □
D	(	¥	@	`	π	ó	ä	Ó	n	ç	N	Ç		↓		Δ
E	}	•	%	'	ý	ú	Ý	Ú	o	²	O	;		?		≡
F	{	⌘	_	,	X	ñ	ö	Ñ	p	³	P	*		■		⚙

Cyrillic Character Generator

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0			0	&	а	п	А	П	а	q	А	Q	☼	P	⌈	↗
1		=	1	—	б	р	Б	Р	b	r	В	Ṛ	Ḃ	S	⌈A	—
2		'	2	.	в	с	В	С	с	s	С	S	☐	⌈A	⌈C	↘
3		"	3	,	г	т	Г	Т	d	t	D	T	▶	^	⌈Y	—
4		/	4	:	д	ё	Д	Ё	e	u	E	U	☐	⌈B		☾
5		\	5	+	ј	у	Ј	У	f	v	F	V	R	⌈6		↻
6			6	ц	е	ф	Е	Ф	g	w	G	W	◊	▶		×
7		i	7	№	ж	х	Ж	Х	h	x	Н	X	P	☐		■
8	>	?	8	ѣ	з	ц	З	Ц	i	y	I	Y		→		←
9	<	!	9	ѓ	и	ч	И	Ч	j	z	J	Z		⊘		🗨
A	[	\$	ı	^	й	ш	Й	Ш	k	я	К	Я		↑		↓
B	]	љ	§	Љ	к	щ	К	Щ	l	ъ	L	Ъ		⚙		
C	)	њ	#	Њ	л	ы	Л	Ы	m	ï	M	Ï		В		⌈4
D	(	ћ	@	Ћ	м	ь	М	Ь	n	s	N	S		↓		△
E	ћ	ќ	%	Ќ	н	э	Н	Э	o	;	O	;		⌈?		≡
F	ѝ	џ	—	ѡ	о	ю	О	Ю	p	*	P	*		■		⚙

Greek Character Generator

3178, 3278, and 3279

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0	0̄	SP	0	&	à	λ	À	Λ	a	q	A	Q	'/	P	'\	↗
1	1̄	=	1	—	è	μ	È	M	b	r	B	R	á	S	š	—
2	2̄	'	2	.	ì	v	Ì	N	c	s	C	S	é	⊠ <sup>A</sup>	š	↘
3	3̄	"	3	,	ò	ξ	Ò	Ξ	d	t	D	T	ή	^	ü	—
4	4̄	/	4	:	ù	R	Ù	'	e	u	E	U	ï	⊠ <sup>B</sup>	Ć	↻
5	5̄	\	5	+	G	o	Ã	O	f	v	F	V	G	⊠ <sup>6</sup>	˜	↺
6	6̄		6	└	α	π	Α	Π	g	w	G	W	α	▶	Α	×
7	7̄	!	7	—	β	ρ	Β	Ρ	h	x	H	X	β	□	Β	■
8	>	?	8	°	γ	σ	Γ	Σ	i	y	I	Y	γ	→	Γ	←
9	<	!	9	√	δ	τ	Δ	Τ	j	z	J	Z	δ	⊠ <sup>δ</sup>	Δ	⊠ <sup>δ</sup>
A	[	\$	β	^	ε	υ	Ε	Υ	k	æ	K	Æ	ε	↑	Ε	⊠ <sup>ε</sup>
B	]	¢	§	~	ζ	φ	Ζ	Φ	l	ø	L	Ø	ζ	⊠ <sup>ζ</sup>	Z	π
C	)	£	#	¨	η	χ	Η	Χ	m	á	M	Å	η	⊠ <sup>η</sup>	H	⊠ <sup>4</sup>
D	(	¥	@	`	θ	ψ	Θ	Ψ	n	ç	N	Ç	θ	↓	Θ	Α
E	}	Pt	%	'	ι	ω	Ι	Ω	o	̄;	O	;	ι	⊠ <sup>?</sup>	ι	≡
F	{	⊠ <sup>⊠</sup>	—	,	κ	ς	Κ	Σ	p	̄*	P	*	κ	■	Κ	⊠ <sup>⊠</sup>

### Greek Character Generator

3179, 3180, 3191, and 3192

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0			0	&	´	λ	´	Λ	a	q	A	Q	☼	P	⌈	✂
1		=	1	—	´	μ	´	Μ	b	r	B	R	à	S	⌈	—
2		'	2	.	´	ν	´	Ν	c	s	C	S	ⓐ	Ⓜ	ⓔ	⌒
3		"	3	,	´	ξ	´	Ξ	d	t	D	T	▶	^	⌈	—
4		/	4	:	´	ω	´	Ω	e	u	E	U	ⓔ	Ⓜ		☾
5		â	5	+	´	ο	´	Ο	f	v	F	V	R	Ⓜ		☺
6		ê	6	δ	α	π	Α	Π	g	w	G	W	✧	▶		×
7		î	7	û	β	ρ	Β	Ρ	h	x	H	X	P	Ⓜ		■
8	<	?	8	°	γ	σ	Γ	Σ	i	y	I	Y		→		←
9	>	!	9	ë	δ	τ	Δ	Τ	j	z	J	Z		⌘		⌘
A	[	\$	ĩ	^	ε	υ	Ε	Υ	k	ä	K	Ä		↑		↓
B	]	é	§	ü	ζ	φ	Ζ	Φ	l	ï	L	ÿ		Ⓜ		
C	)	£	ç	¨	η	χ	Η	Χ	m	ö	M	Ö		Ⓜ		Ⓜ
D	(	à	ç	`	θ	ψ	Θ	Ψ	n	ü	N	Ü		↓		Δ
E	±	è	%	'	ι	ω	Ι	Ω	o	;	O	;		Ⓜ		Ⓜ
F	½	ù	—	,	κ	ζ	Κ	Σ	p	—	P	*		■		Ⓜ

# Icelandic Character Generator

## Icelandic Character Generator

3178, 3278, and 3279

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0		SP	0	&	ç	ä	Č	Ä	a	q	A	Q	q	P	À	
1		=	1	—	ğ	ë	Ǧ	Ë	b	r	B	R	ı	S	Ł	
2		'	2	.	š	ï	Š	İ	c	s	C	S	š		Š	
3		"	3	,	ž	ö	Ž	Ö	d	t	D	T	ž		Ž	
4		/	4	:	ć	ü	Ć	Ü	e	u	E	U	ć		Ć	
5		\	5	+	à	â	À	Â	f	v	F	V	ń		Ń	
6			6	┘	ì	ê	Ì	Ê	g	w	G	W	ź		Ś	
7		!	7	—	ý	î	Ý	Î	h	x	H	X	ś		Ś	
8	>	?	8	°	ò	ô	Ò	Ô	i	y	I	Y	ę		Ę	
9	<	!	9	√	ş	û	Ş	Û	j	z	J	Z	ş		Ş	
A	[	\$	ß	^	đ	á	Đ	Á	k	æ	K	Æ	ż		Ż	
B	]	¢	§	~	b	é	Ɔ	É	l	ø	L	Ø	ź		Ź	
C	)	£	#	“	l	í	l	Í	m	à	M	À	ï		l	
D	(	¥	@	`	i	ó	i	Ó	n	ç	N	Ç	i		l	
E	}	Pt	%	'	ð	ú	Đ	Ú	o	;	O	;	i		t	
F	{	⌘	_	,	o	ñ	O	Ñ	p	*	P	*	ı		½	

## Icelandic Character Generator

3179, 3180, 3191, and 3192

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0		SP	0	&	»	ä	¼	Ä	a	q	A	Q	☼	P		✂
1		=	1	—	«	ë	½	Ë	b	r	B	R	Ⓐ	S		—
2		'	2	.	á	ï	È	Ï	c	s	C	S	Ⓜ	Ⓐ		⌚
3		"	3	,	ö	ö	=	Ö	d	t	D	T	▶	^		—
4		/	4	:	µ	ü	è	Ü	e	u	E	U	Ⓜ	Ⓜ		☾
5		\	5	+	à	â	À	Â	f	v	F	V	R	Ⓜ		🕒
6			6	⌌	ì	ê	Ì	Ê	g	w	G	W	✧	▶		×
7		!	7	—	ý	î	Ý	Î	h	x	H	X	P	Ⓜ		■
8	>	?	8	°	ò	ô	Ò	Ô	i	y	I	Y		→		←
9	<	!	9	±	ƒ	û	ö	Û	j	z	J	Z		⊘		🗨
A	[	\$	β	^	đ	á	Ð	Á	k	æ	K	Æ		↑		↓
B	]	¢	§	~	þ	é	Þ	É	l	ø	L	Ø		⚙		
C	)	£	#	¨	π	í	ù	Í	m	à	M	À		Ⓜ		Ⓜ
D	(	¿	@	`	í	ó	²	Ó	n	ç	N	Ç		↓		△
E	}	Pt	%	'	ā	ú	³	Ú	o	̄	O	;		?		≡
F	{	⚔	—	,	®	ñ	ÿ	Ñ	p	̄	P	*		■		⚙

**Notes:**

1. 3192 — Character X'49' is a © symbol.
2. 3192 — Character X'63' is a x (multiply) symbol.

Icelandic CECP Character Generator

3471 and 3472

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0		SP	0	&	»	ä	¼	Ä	a	q	A	Q	☼	P		↘
1	÷	=	1	-	«	ë	½	Ë	b	r	B	R	Ⓐ	S		-
2	RSP	'	2	.	á	ï	È	Ï	c	s	C	S	ⓐ	Ⓐ		↗
3	-	"	3	,	ó	ö	X	Ö	d	t	D	T	▶	^		-
4	¥	/	4	:	μ	ü	è	Ü	e	u	E	U	ⓑ	Ⓑ		☾
5	¾	\	5	+	à	â	À	Â	f	v	F	V	R	ⓐ		☺
6	¹		6	⌋	ì	ê	Ì	Ê	g	w	G	W	ⓓ	▶		×
7	Ù	¡	7	—	ý	î	Ý	Î	h	x	H	X	P	□		■
8	>	?	8	°	ò	ô	Ò	Ô	i	y	I	Y		→		←
9	<	!	9	±	©	û	õ	Û	j	z	J	Z		↯		⚡
A	[	\$	β	^	đ	á	Ð	Á	k	æ	K	Æ		↑		↓
B	]	¢	§	~	þ	é	Þ	É	l	ø	L	Ø		⚧		
C	)	£	#	“	π	í	ù	Í	m	á	M	Á		Ⓑ		ⓐ
D	(	¿	@	`	i	ó	²	Ó	n	ç	N	Ç		↓		△
E	}	•	%	'	ā	ú	³	Ú	o	ã	O	;		?		≡
F	{	⊗	—	,	®	ñ	ÿ	Ñ	p	õ	P	*		■		⚧



Japanese Katakana Character Generator

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0		SP	0	&	P	チ	㇀	㇁	a	q	A	Q		P		✂
1		=	1	—	イ	ツ	メ	㇂	b	r	B	R		S		—
2		'	2	.	ウ	テ	モ	㇃	c	s	C	S		A □		㇄
3		"	3	,	エ	ト	㇄	㇅	d	t	D	T		^		—
4		/	4	:	カ	ナ	㇆	㇇	e	u	E	U		B □		㇈
5			5	+	カ	ニ	㇈	㇉	f	v	F	V		□		㇊
6			6	㇊	キ	ヌ	㇊	㇋	g	w	G	W		▶		×
7		!	7	—	フ	ネ	㇌	㇍	h	x	H	X		□		■
8	>	?	8		ケ	ノ	㇎	㇏	i	y	I	Y		→		←
9	<	!	9		コ	ハ	㇐	㇑	j	z	J	Z		⊘		⊗
A		\$			サ	ヒ	㇒	㇓	k		K			↑		○
B		¢			シ	フ	㇔	㇕	l		L			⊕		π
C	)	£	#		ス	ヘ	㇖	㇗	m		M			⌞ ↓		—
D	(	¥	@	`	セ	ホ	㇘	㇙	n		N			↓		≠
E	}		%		ソ	マ	㇚	㇛	o	;	O	;		□ ?		≡
F	{		—		タ	ミ	㇜	㇝	p	*	P	*		■		⊠

ROECE Latin Character Generator

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0			0	&	č	ä	Č	Ä	a	q	A	Q		P		✂
1		=	1	—	ů	ë	Ů	Ë	b	r	B	R		S		—
2		'	2	.	š	ó	Š	Ó	c	s	C	S		A □		⌋
3		"	3	,	ž	ö	Ž	Ö	d	t	D	T		^		—
4		/	4	:	ć	ü	Ć	Ü	e	u	E	U		B □		⌋
5		.	5	+	ž	ś	Ž	Ś	f	v	F	V		6 □		ð
6		//	6	—	ę	ú	Ę	Ú	g	w	G	W		▶		×
7		~	7	˘	ý	ź	Ý	Ź	h	x	H	X		□		■
8	>	?	8	°	ĩ	ô	Ĺ	Ô	i	y	I	Y		→		←
9	<	!	9	√	ǎ	ř	Ǎ	Ř	j	z	J	Z		⊘		⊘
A	[	\$	β	^	đ	á	Đ	Á	k	ń	K	Ń		↑		⊘
B	]	\	\$	˘	í	é	Í	É	l	ď	L	Ď		⊘		π
C	)		#	˘	ň	í	Ň	Í	m	ą	M	Ą		B □		4 □
D	(	x	@	`	ř	ó	Ř	Ó	n	ç	N	Ç		↓		Δ
E	}	÷	%	'	ě	ú	Ě	Ú	o	˘	O	˘		□		≡
F	{	⊘	—	,	í	ł	Í	Ł	p	˘	P	*		■		⊘

# Spanish Character Generator

(Formerly known as New Spanish Character Generator)

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0		SP	0	&	à	ä	À	Ä	a	q	A	Q				
1	®	=	1	—	è	ë	È	Ë	b	r	B	R				
2	f	'	2	.	ì	ï	Ì	Ï	c	s	C	S				
3	—	"	3	,	ò	ö	Ò	Ö	d	t	D	T				
4	¼	/	4	:	ù	ü	Ù	Ü	e	u	E	U				
5	¾	\	5	+	ã	â	Ã	Â	f	v	F	V				
6	²		6	┘	õ	ê	Õ	Ê	g	w	G	W				
7	³		7	—	ÿ	î	±	Î	h	x	H	X				
8	>	?	8	°	þ	ô	þ	Ô	i	y	I	Y				
9	<	!	9	∨	đ	û	Đ	Û	j	z	J	Z				
A	[	\$	ß	^	«	á	½	Á	k	æ	K	Æ				
B	]	¢	§	~	ı	é	ı	É	l	ø	L	Ø				
C	)	£	#	¨	»	í	ı	Í	m	à	M	Å				
D	(	¥	@	`	π	ó	<u>a</u>	Ó	n	ç	N	Ç				
E	}	•	%	'	ý	ú	Ý	Ú	o	ı̄	O	;				
F	{	œ	—	,	=	ñ	o	Ñ	p	ı̄	P	*				

Thai Character Generator

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0		SP	0	&	ข	ณ	ว	ำ	a	q	A	Q		P		↗
1		=	1	-	ก	ด	ค	ด	b	r	B	R		S		-
2		'	2	.	ค	ต	ช	ด	c	s	C	S		A		↘
3		"	3	,	ณ	ถ	ส	บ	d	t	D	T		^		_
4		/	4	:	ข	ก	ห	ด	e	u	E	U		B		☺
5		\	5	+	ง	ด	อ	า	f	v	F	V		6		☺
6			6	∟	อ	น	ช	บ	g	w	G	W		▶		×
7			7	๗	ฉ	บ	ะ	เ	h	x	H	X		□		■
8	>	?	8	ต	ช	บ	ุ	แ	i	y	I	Y		→		←
9	<	!	9	ภ	ช	พ	ร	จ	j	z	J	Z		✂		✂
A		\$	฿		ณ	ฟ	อ	+	k	O	K	๔		↑		☺
B		๕	๒	~	ฉ	ภ	ุ	เ	l	๑	L	๕		☺		π
C	)	∟	#	∟	ฉ	ร	ุ	เ	m	๓	M	๖		๒		4
D	(	๒	@	'	ช	ถ	'	๓	n	๓	N	๓		↓		A
E	}	๒	%	๔	๓	ถ	ุ	๓	o	∴	O	∴		?		≡
F	{	๒	_	๒	๒	๒	๐	.	p	*	P	*		■		☺

### Turkish Character Generator

3278 and 3279

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0		SP	0	&	ç	ä	Ç	Ä	a	q	A	Q	q	P	Ā	
1		=	1	—	ğ	ë	Ğ	Ë	b	r	B	R	ı	S	Ĭ	
2		'	2	.	ş	ï	Ş	Ï	c	s	C	S	ş		Š	
3		"	3	,	ž	ö	Ž	Ö	d	t	D	T	ž		Ž	
4		/	4	:	é	ü	Ć	Ü	e	u	E	U	ć		Ć	
5		\	5	+	à	â	À	Â	f	v	F	V	á		Á	
6			6	┘	ì	ê	Ì	Ê	g	w	G	W	ż		Ś	
7		!	7	—	ý	î	Ý	Î	h	x	H	X	ś		Ś	
8	>	?	8	°	ò	ô	Ò	Ô	i	y	I	Y	ę		Ę	
9	<	!	9	√	ş	û	Ş	Û	j	z	J	Z	ş		Ş	
A	[	\$	β	^	đ	á	Đ	Á	k	æ	K	Æ	ž		Ž	
B	]	ç	§	~	þ	é	Þ	É	l	ø	L	Ø	ż		Ż	
C	)	E	#	¨	ı	í	ı	Í	m	á	M	Á	ï		ı	
D	(	¥	@	`	ı	ó	ı	Ó	n	ç	N	Ç	ı		ı	
E	}	Pt	%	'	đ	ú	Đ	Ú	o	—	O	;	ı		L	
F	{	⌘	—	,	o	ñ	O	Ñ	p	—	P	*	ı		½	

## Turkish Character Generator

3179 and 3180

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0			0	&	ç	ä	Ç	Ä	a	q	A	Q	☀	P		✂
1		=	1	—	ğ	ë	Ġ	Ë	b	r	B	R	â	S		—
2		'	2	.	ş	ï	Ş	Ï	c	s	C	S	☐	A		⌚
3		"	3	,	ž	ö	Ž	Ö	d	t	D	T	▶	^		—
4		/	4	:	ć	ü	Ć	Ü	e	u	E	U	☐	B		☺
5		\	5	+	à	â	À	Â	f	v	F	V	R	6		☺
6			6	└	ì	ê	Ì	Ê	g	w	G	W	◆	▶		×
7		!	7	—	ý	î	Ý	Î	h	x	H	X	P	☐		■
8	>	?	8	°	ò	ô	Ò	Ô	i	y	I	Y		→		←
9	<	!	9	√	ş	û	Ş	Û	j	z	J	Z		☒		☒
A	[	\$	β	^	đ	á	Đ	Á	k	æ	K	Æ		↑		↓
B	]	ç	§	~	þ	é	Þ	É	l	ø	L	Ø		☒		
C	)	£	#	”	ı	í	İ	Í	m	à	M	À		B		4
D	(	¥	@	`	ı	ó	İ	Ó	n	ç	N	Ç		↓		Δ
E	}	Pt	%	'	đ	ú	Đ	Ú	o	;	O	;		?		≡
F	{	☒	—	,	o	ñ	O	Ñ	p	*	P	*		■		☒

## Turkish Character Generator

3191 and 3192

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0			0	&	ç	ä	Ç	Ä	a	q	A	Q				
1	=	1	—	ğ	ë	Ğ	Ë	b	r	B	R					
2	'	2	.	ğ	ï	Ğ	Ï	c	s	C	S					
3	"	3	,	z	ö	Ž	Ö	d	t	D	T					
4	/	4	:	ç	ü	Ç	Ü	e	u	E	U					
5	\	5	+	à	â	À	Â	f	v	F	V					
6		6	˘	ì	ê	Ì	Ê	g	w	G	W					
7	·	7	—	ĵ	î	Ĵ	Î	h	x	H	X					
8	>	?	8	°	ò	ô	Ò	Ô	i	y	I	Y				
9	<	!	9	x	ş	Ũ	Ş	Û	j	z	J	Z				
A	[	\$	β	^	ħ	á	Ĥ	Á	k	²	K	³				
B	]	μ	§	~	ĥ	é	Ĥ	É	l	è	L	È				
C	)	£	#	¨	l	í	l	í	m	ù	M	Ù				
D	(	½	@	`	i	ó	i	Ó	n	ç	N	Ç				
E	}	÷	%	´	ů	ú	Ů	Ú	o	¯	O	;				
F	{	⌘	—	,	ĝ	ñ	Ĝ	Ñ	p	¯	P	*				

Turkish Character Generator

3471 and 3472

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0			0	&	ç	ä	Ç	Ä	a	q	A	Q				
1		=	1	—	ğ	ë	Ğ	Ë	b	r	B	R				
2		'	2	.	ğ	ï	Ğ	Ï	c	s	C	S				
3		"	3	,	z	ö	Ž	Ö	d	t	D	T				
4		/	4	:	ç	ü	Ç	Ü	e	u	E	U				
5		\	5	+	à	â	À	Â	f	v	F	V				
6			6	˘	ì	ê	Ì	Ê	g	w	G	W				
7		·	7	—	î	î	Î	Î	h	x	H	X				
8	>	?	8	°	ò	ô	Ò	Ô	i	y	I	Y				
9	<	!	9	x	ş	û	Ş	Û	j	z	J	Z				
A	[	\$	β	^	ħ	á	Ħ	Á	k	²	K	³				
B	]	μ	§	~	ĥ	é	Ĥ	É	l	è	L	È				
C	)	£	#	¨	ı	í	Š	Í	m	ù	M	Ù				
D	(	½	@	`	š	ó	İ	Ó	n	ç	N	Ç				
E	}	÷	%	´	ů	ú	Ů	Ú	o	¯	O	;				
F	{	⌘	—	,	ĝ	ñ	Ĝ	Ñ	p	⌘	P	*				



Yugoslav Character Generator

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0			0	&	č	ä	Č	Ä	a	q	A	Q		P		✈
1		=	1	—	û	ë	Û	Ë	b	r	B	R		S		—
2		'	2	.	š	ó	Š	Ö	c	s	C	S		A		⌚
3		"	3	,	ž	ö	Ž	Ö	d	t	D	T		^		—
4		/	4	:	ć	ü	Ć	Ü	e	u	E	U		B		☾
5		·	5	+	ž	ś	Ž	Ś	f	v	F	V		6		ð
6		//	6	—	ę	ú	Ę	Ú	g	w	G	W		▶		×
7		~	7	˘	ý	ź	Ý	Ź	h	x	H	X		□		■
8	>	?	8	°	ĩ	ô	Ĺ	Ô	i	y	I	Y		→		←
9	<	!	9	√	ă	ť	Ă	Ť	j	z	J	Z		✂		✂
A	[	\$	β	^	đ	á	Đ	Á	k	ń	K	Ń		↑		○
B	]	\	§	˘	í	é	Í	É	l	ď	L	Ď		⚙		π
C	)		#	¨	ň	í	Ň	Í	m	q	M	Q		B		4
D	(	×	@	`	ř	ó	Ř	Ó	n	ç	N	Ç		↓		A
E	}	÷	%	´	ě	ú	Ě	Ú	o	ˉ	O	;		?		≡
F	{	⊗	—	,	ř	ł	Ř	Ł	p	ˉ	P	*		■		⊗

# Index

## A

- Alternative Keyboards (Q132)
  - Canadian-Bilingual 2-57
  - U.S.A. 2-53
  - U.S.A. ASCII-7 2-55
- APL/APL2
  - character generator 6-3
  - text feature code page 5-6
- ASCII-International, English (U.S.A.)
  - Base keyboard, typewriter (layout) 2-22
  - code page 5-18
  - Converged keyboard, typewriter (layout) 3-18
- ASCII-7, English (U.S.A.)
  - Alternative Keyboards, Base
    - APL, Model 1158 2-55
    - typewriter, Model 1038 2-55
    - typewriter, Model 1808 2-56
    - typewriter, Model 1932 2-56
  - Base keyboards (layouts)
    - APL 2-24
    - data entry 2-23
    - data entry keypunch 2-23
    - text 2-24
    - typewriter 2-23
  - code page 5-19
  - Converged keyboards (layouts)
    - APL 3-20
    - data entry 3-19
    - typewriter 3-19
  - Enhanced keyboard, typewriter (layout) 4-8
- ASCII-8, English (U.S.A.)
  - Base keyboard, typewriter (layout) 2-22
  - code page 5-20
  - Converged keyboard, typewriter (layout) 3-18
- Attribute Select Keypads (Q166), Base keyboards (layout) 2-59
- Austrian/German
  - Base keyboards (layout)
    - APL 2-5
    - data entry 2-4
    - data entry keypunch 2-4
    - typewriter 2-4
  - code page 5-8
  - Converged keyboards (layout)
    - APL 3-6
    - data entry 3-5
    - typewriter 3-5
  - Enhanced keyboard, typewriter (layout) 4-5

## B

- base character set character generator 6-2

- Base keyboards
  - and supported languages (table) 1-3
  - description of 2-1
  - layouts 2-1
  - program function keys 2-1
  - terminal support for 2-1
- Belgian
  - Base keyboards (layout)
    - data entry 2-6
    - data entry keypunch 2-6
    - typewriter 2-6
  - code page 5-9
  - Converged keyboards (layout)
    - APL 3-7
    - typewriter 3-7
- Belgian (New)
  - Base keyboards (layout)
    - APL 2-9
    - data entry 2-8
    - data entry keypunch 2-8
    - typewriter 2-8
  - code page 5-10
  - Converged keyboards (layout)
    - APL 3-8
    - typewriter 3-8
  - Enhanced keyboard, typewriter (layout) 4-5
- Brazilian
  - Base keyboards (layout)
    - APL 2-11
    - data entry 2-10
    - data entry keypunch 2-10
    - typewriter 2-10
  - code page 5-11

## C

- Canadian Bilingual
  - Base keyboards (layout)
    - APL 2-13
    - data entry 2-12
    - data entry keypunch 2-12
    - text 2-13
    - typewriter 2-12
  - code page 5-12
  - Converged keyboards (layout)
    - APL 3-10
    - data entry 3-9
    - typewriter 3-9
  - Enhanced keyboard, typewriter (layout) 4-6
- Canadian Bilingual Alternative Keyboards (Q132)
  - Base keyboards (layout)
    - APL, Model 1158 2-57
    - typewriter, Model 1038 2-57
    - typewriter, Model 1808 2-58
    - typewriter, Model 1932 2-58

## Index

CECP (Country Extended Code Page), character generator 6-4  
CGCSGID (Coded Graphic Character Set Global Identifier) 5-2  
character generator  
  base character set 6-2  
  CECP 6-4  
  3270, introduction to 6-1  
character sets  
  697 Version 0 (figure) 5-4  
  697 Version 1 (figure) 5-4  
code pages  
  device support 1-2  
  introduction to 5-1  
  list of 1-1  
control character assignments, EBCDIC 5-7  
control unit terminal (CUT) emulators 2-1  
Converged keyboards  
  and supported languages (table) 1-4  
  description of 3-1  
  terminal support for 3-1  
CUT emulators 2-1  
Cyrillic  
  character generator 6-5  
  code page 5-13  
  Converged keyboard, typewriter (layout) 3-11  
  Enhanced keyboard, typewriter (layout) 4-6

## D

Danish  
  Base keyboards (layout)  
    APL 2-15  
    data entry 2-14  
    data entry keypunch 2-14  
    typewriter 2-14  
  code page 5-14  
  Converged keyboards (layout)  
    APL 3-13  
    data entry 3-12  
    typewriter 3-12  
  Enhanced keyboard, typewriter (layout) 4-7  
data entry numeric keypad (Q138) 3-4  
display stations, supported by 3174 1-1

## E

EBCDIC control character assignments 5-7  
EBCDIC (WT)  
  Base keyboards (layout)  
    APL 2-17  
    data entry 2-16  
    data entry keypunch 2-16  
    typewriter 2-16  
  code page 5-15  
emulators, control unit terminal (CUT) 2-1  
English (U.K.)  
  Base keyboards (layout)  
    APL 2-19

English (U.K.) (*continued*)  
  Base keyboards (layout) (*continued*)  
    data entry 2-18  
    data entry keypunch 2-18  
    typewriter 2-18  
  code page 5-16  
  Converged keyboards (layout)  
    APL 3-15  
    data entry 3-14  
    typewriter 3-14  
  Enhanced keyboard, typewriter (layout) 4-7  
English (U.S.A.)  
  Base keyboards (layout)  
    APL 2-21  
    data entry 2-20  
    data entry keypunch 2-20  
    text 2-21  
    typewriter 2-20  
  code page 5-17  
  Converged keyboards (layout)  
    APL 3-17  
    data entry 3-16  
    typewriter 3-16  
  Enhanced keyboard, typewriter (layout) 4-8  
English (U.S.A.) ASCII-International  
  Base keyboard, typewriter (layout) 2-22  
  code page 5-18  
  Converged keyboard, typewriter (layout) 3-18  
English (U.S.A.) ASCII-7  
  Base keyboards (layouts)  
    APL 2-24  
    data entry 2-23  
    data entry keypunch 2-23  
    text 2-24  
    typewriter 2-23  
  code page 5-19  
  Converged keyboards (layouts)  
    APL 3-20  
    data entry 3-19  
    typewriter 3-19  
  Enhanced keyboard, typewriter (layout) 4-8  
English (U.S.A.) ASCII-8  
  Base keyboard, typewriter (layout) 2-22  
  code page 5-20  
  Converged keyboard, typewriter (layout) 3-18  
Enhanced keyboards  
  and supported languages (table) 1-5  
  description of 4-1  
  terminal support for 4-1  
Entry Assist keys 3-2, 4-1  
ExGr 1-2  
Extended Graphics 1-2, 4-2  
extended graphics functions 2-3, 3-3  
extended select functions 3-2, 4-1  
extension functions 2-2  
Extension/Extended Select Function 1-2

- F**
- Finnish
- Base keyboards (layout)
    - APL 2-26
    - data entry 2-25
    - data entry keypunch 2-25
    - typewriter 2-25
  - code page 5-21
  - Converged keyboards (layout)
    - APL 3-22
    - data entry 3-21
    - typewriter 3-21
  - Enhanced keyboard, typewriter (layout) 4-9
- French
- Base keyboards (layout)
    - APL 2-28
    - data entry 2-27
    - data entry keypunch 2-27
    - typewriter 2-27
  - code page 5-22
  - Converged keyboards (layout)
    - APL 3-24
    - data entry 3-23
    - typewriter 3-23
  - Enhanced keyboard, typewriter (layout) 4-9
  - function keys, local 1-1
- G**
- GCID
- See CGCSGID (Coded Graphic Character Set Global Identifier)
- German
- See Austrian/German
- Greek
- Base keyboards (layout)
    - data entry 2-29
    - typewriter 2-29
  - character generator 6-6, 6-7
  - code page 5-23
  - Converged keyboard, typewriter (layout) 3-25
  - Enhanced keyboard, typewriter (layout) 4-10
- I**
- Icelandic
- Base keyboard, typewriter (layout) 2-30
  - character generator 6-8, 6-9
  - character generator (CECP) 6-10
  - code page 5-24
  - Converged keyboard, typewriter (layout) 3-26
  - Enhanced keyboard, typewriter (layout) 4-10
- International
- Base keyboards (layout)
    - APL 2-32
    - data entry 2-31
    - data entry keypunch 2-31
    - typewriter 2-31
- International (*continued*)
- code pages 5-25
  - introduction 1-1
- Italian
- Base keyboards (layout)
    - APL 2-34
    - data entry 2-33
    - data entry keypunch 2-33
    - typewriter 2-33
  - code page 5-26
  - Converged keyboards (layout)
    - APL 3-28
    - data entry 3-27
    - typewriter 3-27
  - Enhanced keyboard, typewriter (layout) 4-11
- J**
- Japanese English
- Base keyboards (layout)
    - APL 2-36
    - data entry 2-35
    - data entry keypunch 2-35
    - typewriter 2-35
  - code page 5-27
- Japanese Katakana
- Base keyboards (layout)
    - APL 2-37
    - data entry 2-37
    - typewriter 2-37
  - character generator 6-11
  - code page 5-28
  - Converged keyboards (layout)
    - APL 3-30
    - data entry 3-29
    - typewriter 3-29
  - Enhanced keyboard, typewriter (layout) 4-11
- K**
- Katakana
- See Japanese Katakana
- keyboards
- Base
    - and supported languages (table) 1-3
    - description of 2-1
    - layouts 2-1
  - Converged
    - and supported languages (table) 1-4
    - description of 3-1
  - Enhanced
    - and supported languages (table) 1-5
    - description of 4-1
  - terminals using 1-1

## Index

### L

local function keys 1-1

### N

national language numeric keypad (Q138) 3-4

#### Netherlands

##### Base keyboards (layout)

APL 2-39

data entry 2-38

data entry keypunch 2-38

text 2-39

typewriter 2-38

code page 5-29

##### Converged keyboards (layout)

APL 3-32

data entry 3-31

typewriter 3-31

Enhanced keyboard, typewriter (layout) 4-12

#### New Spanish character generator

See Spanish, character generator

nonescaping keys 3-3, 5-1

#### Norwegian

##### Base keyboards (layout)

APL 2-41

data entry 2-40

data entry keypunch 2-40

typewriter 2-40

code page 5-30

##### Converged keyboards (layout)

APL 3-34

data entry 3-33

typewriter 3-33

Enhanced keyboard, typewriter (layout) 4-12

#### numeric keypads

##### available configurations

data entry 3-4, 4-4

national language 3-4, 4-4

program function 3-4, 4-4

Q138 3-4, 4-4

### P

#### Portuguese

##### Base keyboards (layout)

APL 2-43

data entry 2-42

data entry keypunch 2-42

typewriter 2-42

code page 5-31

##### Converged keyboards (layout)

APL 3-36

data entry 3-35

typewriter 3-35

Enhanced keyboard, typewriter (layout) 4-13

#### program function keys,

Base keyboards, for 2-1

program function numeric keypad (Q138) 3-4

### R

#### ROECE Latin

character generator 6-12

code page 5-32

Converged keyboard, typewriter (layout) 3-37

Enhanced keyboard, typewriter (layout) 4-13

#### Russian

See Cyrillic

### S

#### Spanish

##### Base keyboards (layout)

APL 2-45

data entry 2-44

data entry keypunch 2-44

typewriter 2-44

character generator 6-13

code page 5-33

##### Converged keyboards (layout)

APL 3-38

typewriter 3-38

Enhanced keyboard, typewriter (layout) 4-14

#### Spanish-Speaking

##### Base keyboards (layout)

APL 2-47

data entry 2-46

data entry keypunch 2-46

typewriter 2-46

code page 5-34

##### Converged keyboards (layout)

APL 3-40

data entry 3-39

typewriter 3-39

Enhanced keyboard, typewriter (layout) 4-14

supported terminals 1-1

#### Swedish

##### Base keyboards (layout)

APL 2-49

data entry 2-48

data entry keypunch 2-48

typewriter 2-48

code page 5-35

##### Converged keyboards (layout)

APL 3-42

data entry 3-41

typewriter 3-41

Enhanced keyboard, typewriter (layout) 4-15

#### Swiss-French (New)

##### Base keyboards (layout)

data entry 2-50

typewriter 2-50

code page 5-36

##### Converged keyboards (layout)

APL 3-43

typewriter 3-43

- Swiss-French (New) (*continued*)
  - Enhanced keyboard, typewriter (layout) 4-15
- Swiss-German (New)
  - Base keyboards (layout)
    - data entry 2-51
    - typewriter 2-51
  - code page 5-37
  - Converged keyboards (layout)
    - APL 3-44
    - typewriter 3-44
  - Enhanced keyboard, typewriter (layout) 4-16
- 75-key keyboard 2-1
- 76-key keyboard (Katakana) 2-1
- 87-key keyboard 2-1
- 88-key keyboard (Katakana) 2-1

## T

- terminals
  - See display stations
- text print feature code page 5-41
- Thai
  - character generator 6-14
  - code page 5-38
  - Enhanced keyboard, typewriter (layout) 4-16
- Turkish
  - Base keyboard, typewriter (layout) 2-52
  - character generator 6-15, 6-16, 6-17, 6-18
  - code page 5-39
  - Converged keyboard, typewriter (layout) 3-45
  - Enhanced keyboard, typewriter (layout) 4-17

## U

- U.K. English
  - See English (U.K.)
- U.S.A. Alternative Keyboards
  - Base keyboards (layout)
    - APL, Model 1158 2-53
    - typewriter, Model 1038 2-53
    - typewriter, Model 1808 2-54
    - typewriter, Model 1932 2-54
- U.S.A. ASCII-7 Alternative Keyboards
  - Base keyboards (layout)
    - APL, Model 1158 2-55
    - typewriter, Model 1038 2-55
    - typewriter, Model 1808 2-56
    - typewriter, Model 1932 2-56
- U.S.A. English
  - See English (U.S.A.)

## Y

- Yugoslav
  - character generator 6-19
  - code page 5-40
  - Converged keyboard, typewriter (layout) 3-46
  - Enhanced keyboard, typewriter (layout) 4-17

## Numerics

- 3270 character generators 6-1





Fold and Tape

Please do not staple

Fold and Tape



NO POSTAGE  
NECESSARY  
IF MAILED IN THE  
UNITED STATES



# BUSINESS REPLY MAIL

FIRST CLASS MAIL PERMIT NO. 40 ARMONK, NEW YORK

POSTAGE WILL BE PAID BY ADDRESSEE

International Business Machines Corporation  
Information Development  
Department E02  
P.O. Box 12195  
Research Triangle Park, North Carolina 27709-9990



Fold and Tape

Please do not staple

Fold and Tape





GA27-3831-02

