

# HI-TEK

PC-83 AND PC-84  
IBM PLUG COMPATIBLE  
KEYBOARDS



IBM

HI-TEK  
CORPORATION



# PC-83 AND PC-84 IBM® PLUG COMPATIBLE KEYBOARDS

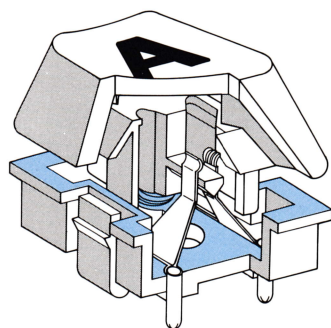
The introduction of HI-TEK's new IBM Plug Compatible keyboard series continues the tradition of highest quality and performance at competitive pricing that has established HI-TEK as a leader in the field of data input devices for the past decade.

The PC-83 and PC-84 enclosed keyboard series established the standard of excellence required to be "IBM Compatible". These new keyboard models offer more performance features and reliability than similar units thus reflecting the teamwork of outstanding and experienced R & D and engineering departments. Designed to meet the DIN standards, these new models plug directly into an IBM PC or systems emulating the IBM PC. The PC-83 features the IBM (International) keyboard configuration. The PC-84 offers a user friendly (American) keyboard layout featuring the "return" and "shift" keys in their customary

positions. And for added convenience, a two-wide "enter" key is incorporated adjacent to the key pad. Both the PC-83 and the PC-84 series offer a 30 character buffer, tactile or linear feel and sublimation printed keycaps. HI-TEK's patent pending keyswitch offers cycle life of 100,000,000 keystrokes.

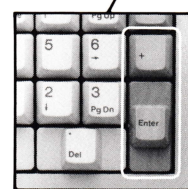
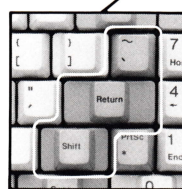
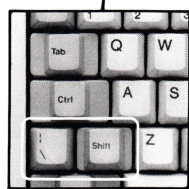
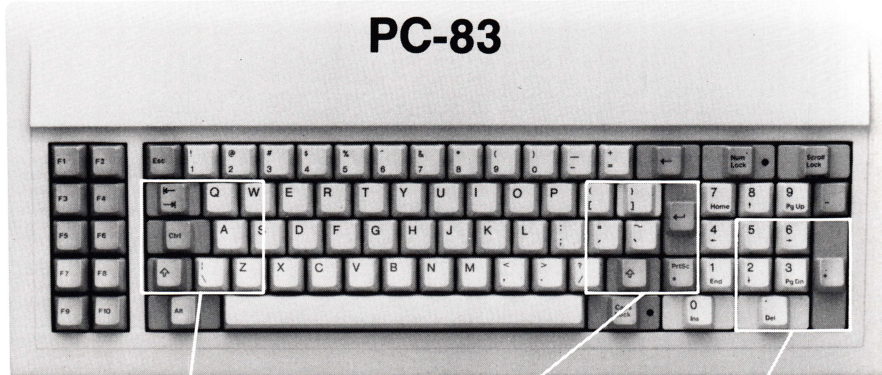
The PC-83 and PC-84 series keyboards meet all of the latest ergonomic standards and offer the user the "step above the field" performance that typifies HI-TEK's leadership in the data entry industry. HI-TEK has produced over 11,000,000 keyboards and coupled with a new offshore facility which doubles our engineering and manufacturing capabilities, HI-TEK will continue to provide quick and knowledgeable solutions to your keyboard and data entry needs.

## SERIES 725 MECHANICAL KEYSWITCH



### KEYSWITCH FEATURES

- Field Proven Reliability
- Isolated Contact Force
- Trifurcated Contact System
- Smooth Feel, Full Travel
- Patent Pending Keyswitch Design



## PC-84 USER FRIENDLY LAYOUT

## FEATURES / BENEFITS

### PC-83 and PC-84

- LED Indicators .....Easier and faster identification of shift status
- Textured Keycaps .....Eliminate glare
- Light Color Keycaps .....Easier on eyes
- IBM Sculptured Keycaps .....Comfortable feel
- Legend Upper Left Hand Justified .....Easy to see legends when using keyboard
- Sublimation Printed Keycaps .....Consistent high quality, easy to read legends, superior durability
- Retractable Legs .....Allows user to adjust keyboard angle for maximum comfort
- Long Keyswitch Life .....100 million cycles of trouble-free operation

### PC-84 Only

- User Friendly Layout .....Easier to use. Features, "Shift" and "return" keys in customary positions. Also added "enter" key adjacent to numeric pad.

### OPTIONS

- Shielded Cables, DIN Standard or Modular
- Linear or Tactile Feel
- ASCII Output



# KEYBOARD SPECIFICATIONS - PC-83 AND PC-84

## MECHANICAL

### Enclosure Material

Molded polystyrene foam - UL Flammability Rating 94 HB

### Keycap Material

Polyester Thermoplastics - UL Flammability Rating 94 HB

### Enclosure Color

Sherwin and Williams Polane Driftwood F63A40

### Keycap Colors

Medium Grey equivalent to Borg Warner color T33309 and Pearl White equivalent to Borg Warner color T22061

## FUNCTIONAL

### Auto Repeat

The keyboard will continuously output any character once every 0.09 seconds when that character is depressed for 0.5 seconds or longer.

### Shift Indicators

LED's indicate when the Caps Lock and Num Lock keys are in the shift position.

### Multi-Key Rollover

The keyboard will correctly output the codes for keys in the order that they were depressed. However, in the unusual event that three keys which form a phantom key situation are held down at the same time, the last key depressed will be locked out.

### Buffering

The keyboard will buffer up to 30 characters if the computer is not ready to receive more information.

## KEYSWITCH SPECIFICATIONS

### MECHANICAL

#### Contact Material

Spring temper phosphor bronze with gold alloy inlay

#### Keyswitch Travel

.140  $\pm$  .020 inch (3.56  $\pm$  .5mm)

#### Travel to Make

.070  $\pm$  .020 inch (1.78  $\pm$  .5mm)

#### Operation Force

2.0  $\pm$  0.5 oz. (57.1  $\pm$  14.2 grams)

### Space Bar Operating Force

3.0  $\pm$  0.50 oz. (85.6  $\pm$  14.2 grams)

### Feel

Basic switch has either linear or tactile feel.

### Wobble

Lateral movement will not exceed .020 inch (.5 mm) in either axis.

### Life

100 million cycles

## FUNCTIONAL

### Input-Output Data Logic Level

Data input and output is standard TTL logic level. Output will drive 3 standard TTL loads. Input loading is 1000 ohms.

## ELECTRICAL

### Contact System

SP ST normally open (Form A)

### Input Voltage

4.75 to 5.25 V.D.C.

### Input Current

500 Milliamperes maximum

### Case Ground

Metal bottom plate is grounded.

## ENVIRONMENTAL

### Temperature:

Operating: +32°F to +122°F (0°C to +50°C)

Storage: -40°F to +131°F (-40°C (a) to +55°C)

### Relative Humidity

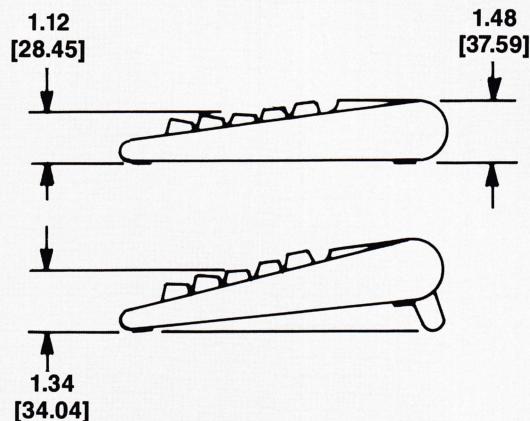
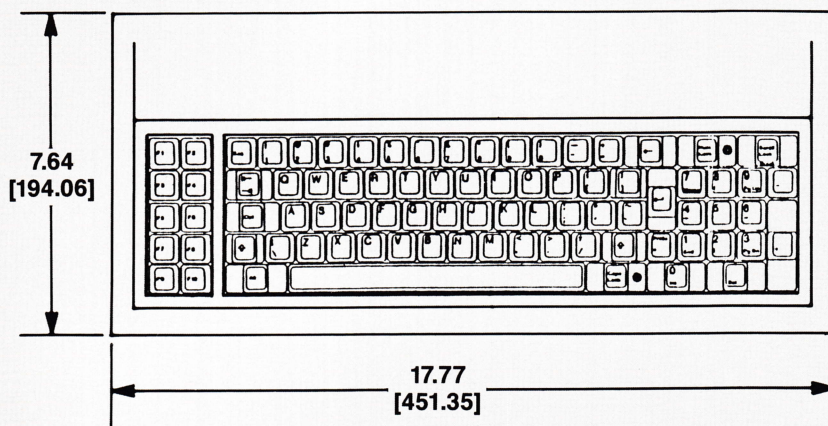
0 to 95 percent

### Electromagnetic Compatibility

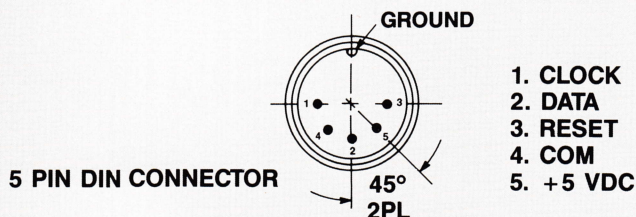
The keyboard has been tested for and has passed the EMI requirements of a Class B device.

### Electrostatic Discharge

During testing for resistance to damage from electrostatic discharge by an independent testing agency, the keyboards withstood repeated ESD of up to 25KV.



DIMENSIONS IN [ ] ARE IN MILLIMETERS.



5 PIN DIN CONNECTOR



# OTHER NMB PRODUCTS

Precision Step,  
D.C. and D.C.  
Brushless Motors



Miniature and  
Instrument  
Precision  
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Assemblies and  
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SL884

## NMB HI-TEK SALES OFFICES

### KEYBOARD HEADQUARTERS:

NMB HI-TEK CORPORATION  
7274 LAMPSON AVENUE  
GARDEN GROVE, CA 92641  
TELEPHONE: (714) 898-9511  
TELEX: 67-8486  
FAX: (714) 891-0895

### SOUTHWESTERN REGION:

NMB CORPORATION  
9730 INDEPENDENCE AVENUE  
CHATSORTH, CA 91311  
TELEPHONE: (818) 341-0820  
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FAX: (818) 709-0387

### NORTHWESTERN REGION:

NMB CORPORATION  
3333 BOWERS AVENUE, STE. 185  
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FAX: (408) 980-1860

### MIDWESTERN REGION:

NMB CORPORATION  
415 WEST GOLF ROAD, STE. 27  
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TELEPHONE: (312) 364-1414  
TWX: 910-222-1610  
FAX: (312) 364-1282

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NMB CORPORATION  
15924 MIDWAY ROAD  
DALLAS, TX 75234  
TELEPHONE: (214) 788-1684  
TWX: 910-861-4053  
FAX: (214) 458-2033

### EASTERN REGION:

NMB CORPORATION  
7 WESTCHESTER PLAZA  
ELMSFORD, NY 10523  
TELEPHONE: (914) 592-3370  
TWX: 710-567-1249  
FAX: (914) 592-3125

NMB CORPORATION  
1021 E. SOUTH SEMORAN BLVD.  
LAKE VIEW 436 OFFICE PARK  
WINTER PARK, FL 32792  
TELEPHONE: (305) 677-6200  
FAX: (305) 671-3896

NMB CORPORATION  
37 DERBY STREET, STE. 5  
HINGHAM, MA 02043  
TELEPHONE: (617) 749-4844  
FAX: (617) 749-6773

## INTERNATIONAL SALES OFFICES

### NMB K.K.

7F SHIN NIHON KAIKAN BLDG.  
7-18, 3 CHOME, MITA  
MINATO-KU, TOKYO  
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TELEPHONE: 03-455-5011  
TELEX: 7810-242-2029  
FAX: 03-454-6935

### NMB GMBH

HERMANNSTRASSE 50  
6078 NEU-ISENBURG  
WEST GERMANY  
TELEPHONE: 06102-2801  
TELEX: 841-4152839  
FAX: 011-49-6102-4098

### NMB (UK) LIMITED

UNIT 17 WESTERN CENTRE  
WESTERN ROAD, BRACKNELL  
BERKSHIRE R612 IRW, ENGLAND  
TELEPHONE: 7535-57324  
TELEX: 851-848612  
FAX: 011-443-444-85522

### MINEBEA CO. LTD.

NMB SINGAPORE BRANCH  
NO. 02-08, BLOCK 54  
KALLANG BAHRU  
SINGAPORE 1233  
TELEPHONE: 011-65-292-8255  
TELEX: 786-25242  
FAX: 011-65-444-6527

REPRESENTED BY:

**NMB**

**HI-TEK  
CORPORATION**

### HI-TEK CORPORATION

7274 LAMPSON AVENUE  
GARDEN GROVE, CA 92641  
TEL: (714) 898-9511, TELEX: 67-8486, FAX: (714) 891-0895