The New Standard In PC-Compatible Keyboards.

The Honeywell Silent-Tactile Series.

Now, you can touch the quality...

The latest in ergonomic design and silent-tactile feel is now available to you in Honeywell's ST Series keyboards. They all feature the same unsurpassed Honeywell quality OEMs have chosen for more than 25 years.

Now, when you need a PC-compatible keyboard for replacement or upgrade, you have a real choice. Ask for a Honeywell Silent-Tactile keyboard.

For the dealer nearest you, call toll free:
1-800-445-6939
In Texas call collect: 915-543-5566

Together, we can find the answers.

Honeywell

Keyboard Division, 4171 North Mesa, Building D, El Paso, Texas 79902 915/544-5511

HONEYWELL 101RX

PC-Compatible Silent-Tactile Keyboard RX Series

- IBM Enhanced PC keyboard interface
- IBM Compatible key array
- Compatible with IBM overlays
- Status LEDs for CAPS, NUM and SCROLL Lock
- Operator-preferred silent-tactile feel
- Proven membrane switch construction
- Two-position tilt angle enclosure adjustment (6° and 13°)
- Audio feedback option
- 3-year warranty
- UL recognized and CSA certified
- FCC Class B Certification

Honeywell 101 RX is plug compatible with the Enhanced IBM personal computer keyboard. The key array is improved by adding a separate cursor control pad that allows faster and easier cursor movement. The 12-key function pad has been relocated to a single row across the top of the keyboard. This improvement permits better operator recognition of the function keys. Status LEDs for Caps Lock. Num Lock and Scroll Lock tell at a glance which modes these keys are in, greatly reducing accidental entry of false data or commands. There is also a user-selectable audio feedback option.

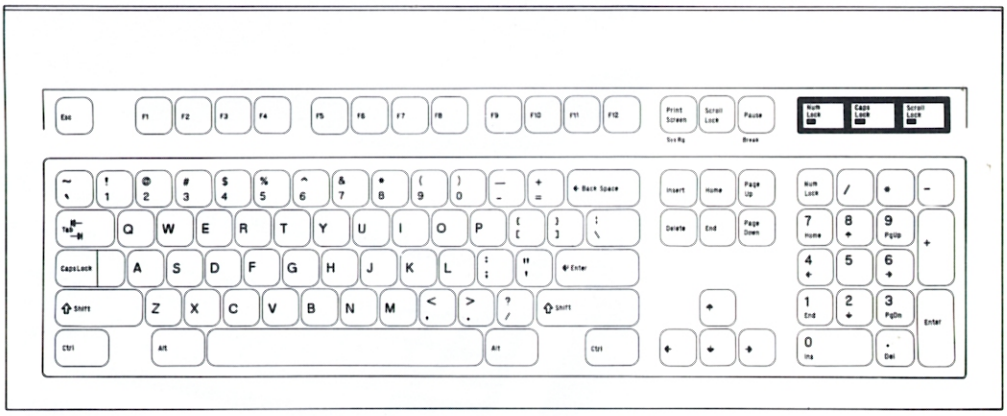
The keyboard features silent-tactile construction which provides quiet operation and positive tactile feel that helps reduce user fatigue and decrease errors. It has a 9-foot (practical extended length) coiled cord and a high strength injection molded plastic enclosure with a driftwood finish.

The 101RX carries a 3-year limited warranty and meets FCC Class B Certification.

Honeywell

101 RX

RX Series PC-Compatible Silent-Tactile Keyboard

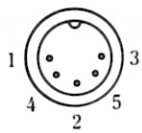


1. Cable assembly: 5 conductor (24AWG) round cable with a Switchcraft (05Gm5M) or equivalent interface connector. 9-foot (practical extended length) coiled cable. Driftwood cable and enclosure (Color No. 8987).
2. Adjustable feet (2) allow operator to have two height settings of 6° and 13°.
3. Overall dimensions: 19.35 in. (L) x 8.26 in. (W).
4. To enable/disable audio feedback (clicker), simultaneously depress both "Shift" keys, one "Alt" and one "Ctrl" key.

Specifications

Electrical Characteristics	Input Power: 5 VDC ± 10% @ 350 mA max.
	Data Transmission: IBM Personal Computer synchronous (occurs on a common clock and data line).

Connector Termination



Pin No.	Signal
1	CLOCK
2	DATA
3	RESET (OPTIONAL)
4	GROUND
5	+5VDC

Catalog Listing	101RX43S-1E

Sales and Service

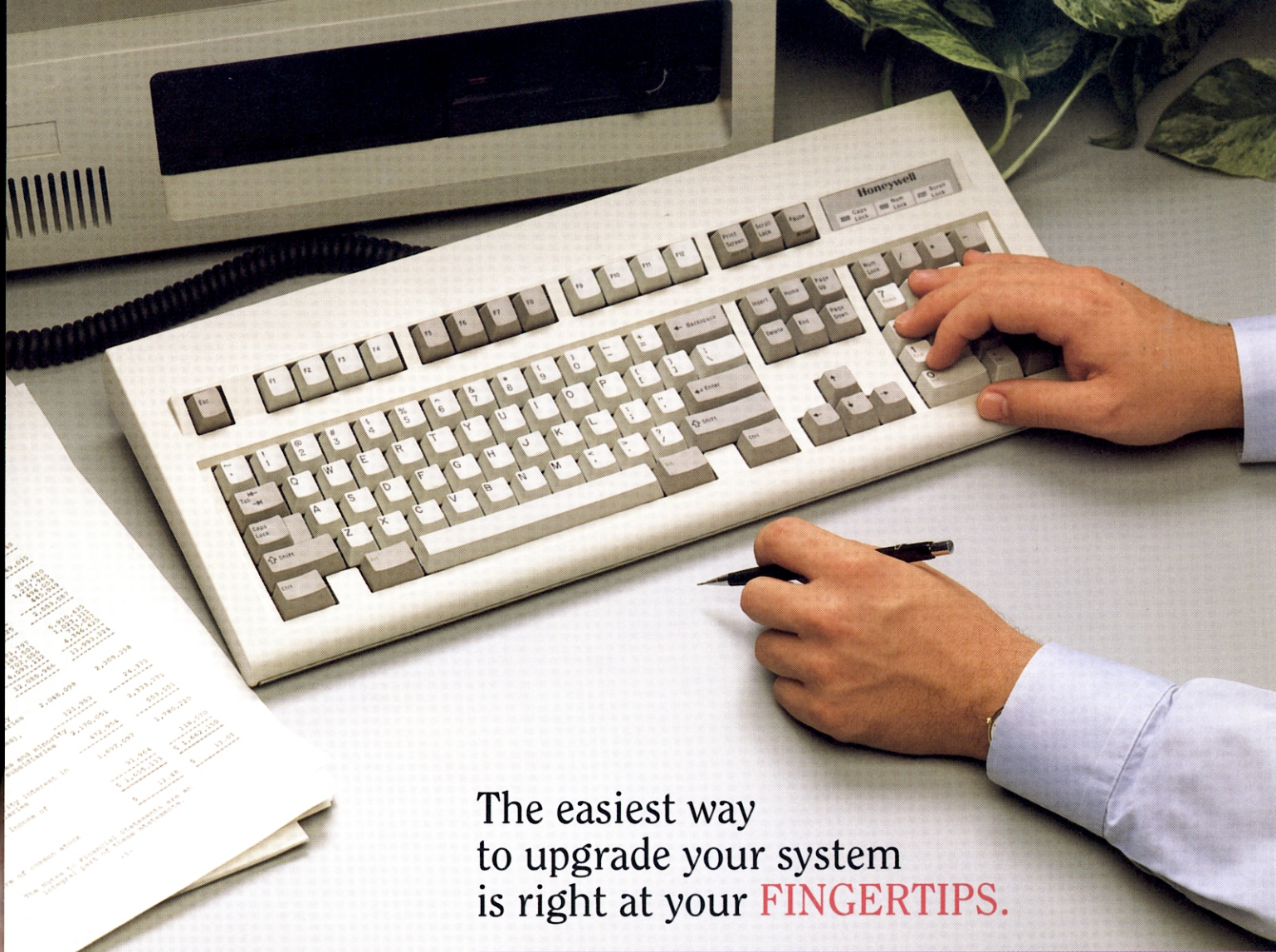
Honeywell RX Series Keyboards are available from:

For additional information or assistance, please write or call us at:
Honeywell Keyboard Division, 4171 N. Mesa, Bldg. D, El Paso, TX 79902
1-800-445-6939, in Texas call collect: 915/543-5566

Together, we can find the answers.

Honeywell

85-00106-B 0188 Printed in U.S.A.



The easiest way to upgrade your system is right at your FINGERTIPS.

Add a Honeywell Silent-Tactile™ keyboard to your system...and touch the quality.

From the ergonomic design to the light, crisp feel, we make Honeywell Silent-Tactile™ keyboards with one thing in mind – making you more productive.

You'll appreciate the silent keystrokes, and you'll notice less finger and hand fatigue – even after hours of continuous use.

When you need a PC-compatible keyboard for replacement or upgrade, make the quality choice – ask for Honeywell Silent-Tactile™ keyboards.

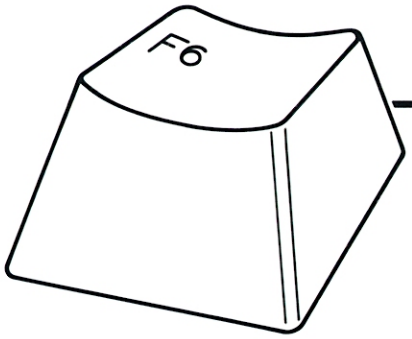
Honeywell

For the dealer nearest you, call toll-free:
1-800-445-6939
In Texas call collect: 915/543-5566

Keyboard Division, 4171 North Mesa, Building D, El Paso, Texas 79902 915/544-5511

85-00135-0 0388 Printed in USA

Only Honeywell Silent-Tactile Keyboards Offer All Of These Features.

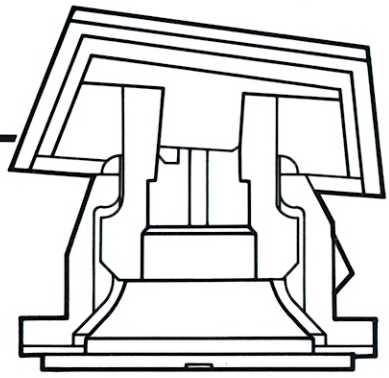


Long Lasting Keytop Legends.

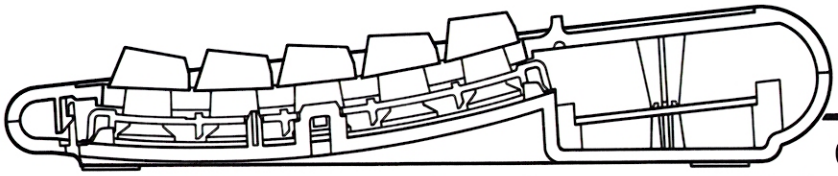
Won't wear off even after millions of keystrokes! Unsurpassed quality sublimation process penetrates deeply into the plastic.

Better Feel & Silent Touch.

Silent-Tactile switch operation provides user preferred tactile breakover feel...in silence! Honeywell has perfected this with the use of long-life, non-silicone rubber actuators.



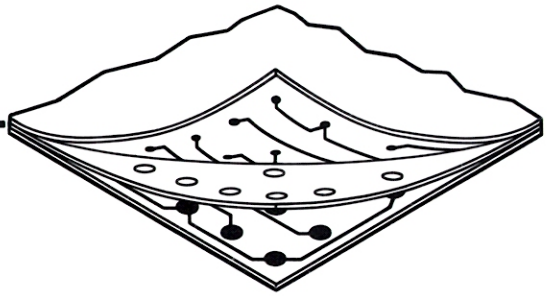
Easily Interchangeable Keytops To Suit Your Needs. Tested Ergonomic Design For More Productivity.



Curved keyboard designs featuring remappable keytops provide the ultimate in ergonomic function along with flexibility. The keyboards are more reliable and cost-effective because our unitized design eliminates more than 200 parts!

Proven Reliability. Latest Technology.

Contact and capacitive membrane switching technology is the most reliable construction; proven in use for over 5 years!



Honeywell Keyboards
The Leader In Keyboard Technology For More Than 25 Years.

84TC

HONEYWELL 84TC

Personal Computer Compatible Touch Panel Keyboard

- IBM PC, PC-XT, PC-AT plug compatible electrical interface (auto sensing)
- Environmentally protected switch contacts and electronics
- Chemically resistant hard-coated polycarbonate graphics layer
- Incorporates high-force (16 oz.) micro travel (0.016 in. nominal) tactile feedback snap discs on all keys except the space bar
- Operator selectable audio feedback
- 24-month warranty
- UL recognized and CSA certified
- FCC Class B Certification (pending)

The Honeywell 84TC is a plug compatible replacement for IBM's PC, PC-XT, PC-AT and many IBM PC compatible computers. Its auto sensing microprocessor interrogates the PC system on power up and selects the proper electrical interface, eliminating the need for selector switches or separate keyboards for each system.

The 84TC combines the ultimate in graphic design versatility with the latest developments in environmentally protected membrane switching to guard contacts and other circuit elements from liquid spills, dust and moisture. It is ideally suited for applications in harsh environments which do not require high speed manual throughput.

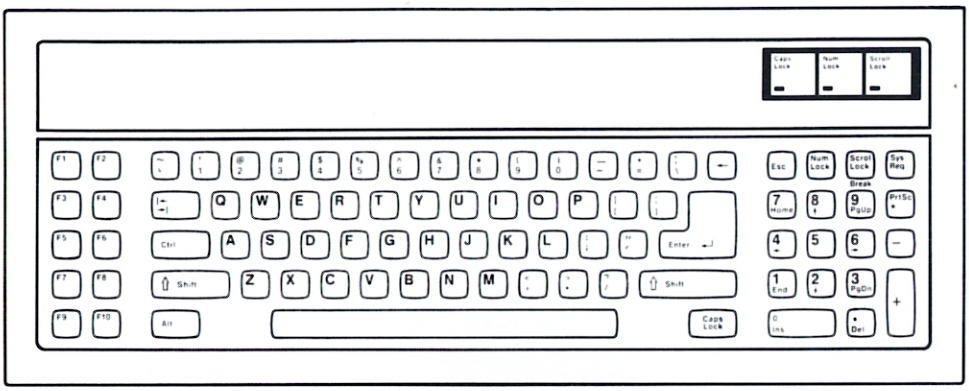
The keyboard features snap discs for positive tactile feel along with station embossing to enable easier finger positioning. It has status LEDs for Caps Lock, Num Lock and Scroll Lock; a 6-foot (extended length) coiled cord; and a high strength injection molded plastic enclosure with a driftwood finish. The 84TC can be wiped clean in seconds with a mild detergent.

The 84TC carries a 2-year limited warranty and meets FCC Class B Certification (pending).

Honeywell

84TC

Personal Computer Plug Compatible Touch Panel Keyboard

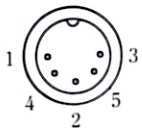


1. Cable assembly – 5 conductor (24 AWG) cable with a Switchcraft (05GM5M) or equivalent interface connector. 6-foot (practical extended length – min.) coiled cable. Cable and enclosure color (Driftwood No. 8987).
2. Adjustable feet (2) allow operator to have two height settings of 6° and 13°.

Specifications

Electrical Characteristics	Input Power: 5 VDC ± 10% @ 350 mA max.
	Data Transmission: IBM Personal Computer synchronous (occurs on a common clock and data line).
	Two-key rollover except for provisions for system reset (Ctrl-Alt-Del).

Connector Termination



Pin No.	Signal
1	CLOCK
2	DATA
3	RESET
4	GROUND
5	+5VDC

Catalog Listing TCE434-1

Sales and Service

Honeywell Keyboard Division Sales Specialists are ready to work with you to satisfy your product and application requirements: proper selection, pricing, and delivery scheduling. These specialists will provide sound and practical answers to your needs.

For additional information or assistance, please write or call us at:

Honeywell Keyboard Division
4171 N. Mesa, Bldg. D, El Paso, TX 79902
915/544-5511

Together, we can find the answers.

Honeywell

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■ Honeywell's TCE434-1 should survive a wide range of hazards, including plummeting or rocketing temperatures, moisture, sand, and dust.

Honeywell TCE434-1 XT/AT-Compatible Touch-Panel Keyboard

The Keyboard Division of Honeywell Information Systems has come up with the PC version of the membrane keyboard: the durable TCE434-1. The $246 touch-panel keyboard is designed primarily for use in hazard-ridden environments, such as factories.

The TCE434-1 keyboard is about the same size and shape as the old AT-style keyboard, but the keys are just bumps marked by embossed lines and printed labels. While it looks like an AT keyboard with membranes instead of keys, its cable is about the same length as the shorter one on the PC and XT keyboards.

HAZARDS The Honeywell Keyboard Division cites a wide range of hazards that the TCE434-1 should be able to survive—many of which most PC users themselves wouldn't tolerate, not to mention their keyboards. These include plummeting or rocketing temperatures (-4 to 149 degrees Farhenheit) and altitudes (-100 to 10,000 feet) as well as shock, moisture, salt spray, sulphur, sand, and dust. Honeywell also makes the claim that the keyboard will tolerate a number of liquids—coffee, cola, and a few that I have not yet found on the average programmer's beverage list: oil, isopropyl alcohol mixed with mineral oil, fluorocarbon cleaning solvent, detergent, and water-soluble cleaning solvent.

PRESSURE You will not be able to touch-type with this keyboard, however, and Honeywell recommends that the TCE434-1 be used in settings that do not require high-speed manual input. I found that I had to watch the screen carefully to see what I had typed, and I had to revert to the Columbus method ("find-it-and-land-on-it").

The TCE434-1 keyboard has its own 8-bit CPU, RAM, and ROM. So if you find its silence disconcerting, you can type in a series of keystrokes to turn on an audible click that the keyboard itself, not the PC's speaker, produces.

In fact, the board is so smart that it knows when it is plugged into a PC, XT, or AT and will configure itself accordingly. There are no DIP switches to set; setup is handled automatically.

I do have two complaints about the keyboard's design: First, while the keyboard has legs that can be opened to tilt it, they can be set to only one position. Moreover, the keyboard tends to slide more easily in the tilted position.

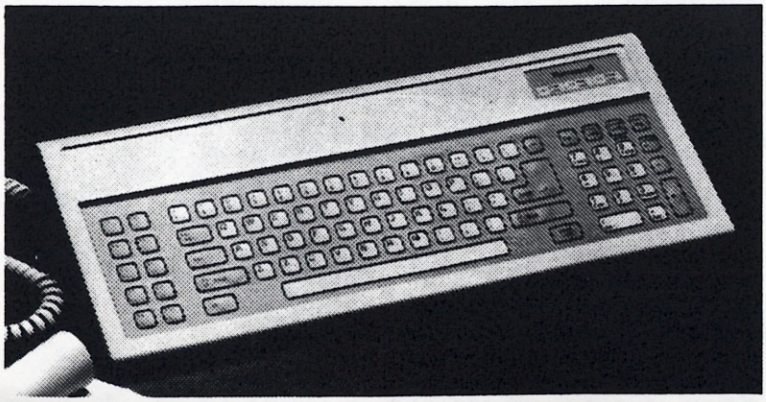
Second, some of the keys, such as the Shift keys, are made up of multiple bumps. So if you press the middle of the Shift key, nothing happens because you are between two bumps. On the other hand, the Spacebar has no bumps and gives no feedback even though it will accept a touch anywhere along its length. This inconsistent response for larger keys makes the keyboard a little harder to learn to use.

For hazardous environments, however, where you do not need to type much information, the TCE434-1 membrane-type keyboard is a useful alternative to the standard PC keyboard.

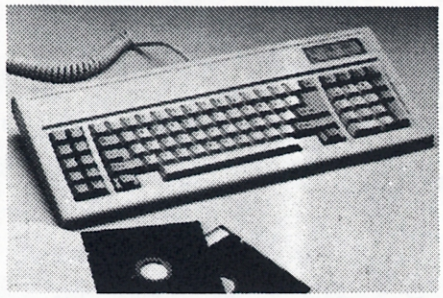
PC MAGAZINE FACT FILE

Honeywell TCE434-1 XT/AT-Compatible Touch-Panel Keyboard
Honeywell Information Systems Inc.
Honeywell Keyboard Division
4171 N. Mesa, Bldg. D
El Paso, TX 79902
(915) 544-5511
List Price: $246
Requires: IBM PC, XT, AT.
In Short: A rugged membrane-type keyboard that can withstand a harsh environment and simple commands but is not recommended for high-speed, manual input applications.

CIRCLE 849 ON READER SERVICE CARD



■ After poking and prodding many a keyboard, we've found that the Honeywell 84RX most closely mimics IBM's keyboard feel.



A replacement keyboard "just like IBM's" is one of our readers' most common requests. After poking and prodding many a keyboard, we've found that the Honeywell 84RX ($129, Honeywell Keyboard Division, El Paso, Tex.; (915) 544-5511) most closely mimics IBM's keyboard feel. The 84RX follows the basic layout of IBM's Enhanced AT layout (function keys in two columns along the left).

Honeywell does away with the mechanical click by using a rubber dome as a key actuator rather than the metal spring IBM uses. But if the IBM click is music to your ears, you can change a jumper setting on the Honeywell's circuit board to generate a click electrically.

In general, the only way to know whether a keyboard will work on any given machine is to ask the keyboard manufacturer or try it yourself. Honeywell reports that the 84RX will work on IBM's PC, XT, and AT, Honeywell PCs, and the Leading Edge Model D, among others. If you buy the keyboard and it won't work with your clone, Honeywell will refund your money.

If this sounds a bit like trial and error, that's because it is. The keyboard connector itself is a standard, but IBM has never settled upon and published one standard for the electrical signals exchanged between the keyboard and computer. One final note: IBM's PS/2 line makes use of a smaller keyboard connector, so you may not see third-party replacement keyboards for these machines for some time.

Together, we can find the answers.

Honeywell

Honeywell

Dear Reseller:

Thank you for your interest in Honeywell Keyboards. This is your Honeywell Reseller kit which includes:

- KAD (distributor) List
- Price List
- Silent Tactile Keyboard Technology Reprint
- Copy of Current Reseller Ad
- PC Magazine Reprint
- Initial Stock of Literature for 84RX, 101RX and 84TC
- Honeywell Keyboard Poster (under separate cover)

If you have any questions regarding this information, please call us at 1-800-445-6939 or contact the nearest KAD for ordering.

Again, we appreciate your interest and look forward to supplying you and your customers the highest quality PC compatible keyboards.

Sincerely,

Jack Nehlig
Distribution Sales Manager

JN:lf

KEYBOARD DIVISION: 4171 NORTH MESA STREET, EL PASO, TEXAS 79902 • TELEPHONE 915/544-5511

DEALER PRICE LIST

(Effective June 1, 1987)

RX SERIES	RECOMMENDED DEALER PRICE	RECOMMENDED RETAIL PRICE
84RX	$ 59.00	$129.00
101RX	$ 82.00	$175.00

TC SERIES		
84TC	$150.00	$275.00

Prices shown are recommended only and are subject to change without notice.

KEYBOARD DIVISION: 4171 NORTH MESA STREET EL PASO, TEXAS 79902 • TELEPHONE 915/544-5511

HONEYWELL KEYBOARD AUTHORIZED DISTRIBUTORS

1. CAM/RPC
   Computer Peripherals
   620 Alpha Drive
   Pittsburgh, PA 15238
   Phone 1-800-245-2519 (US)
   1-800-242-1733 (PA)

2. Computer Source International
   3124 Expressway Drive South
   Central Islip, NY 11722
   Phone 1-800-222-5022 (US)
   1-516-348-7474 (NY)

3. Computer Systems Plus, Corp.
   7388 S. Revere Parkway
   Suite 601
   Englewood, CO 80112
   Phone 1-303-790-7717

4. Comstor
   14101 E. Parke Long Ct.
   Chantilly, VA 22021
   Phone 1-703-378-1112

5. Everett/Charles Marketing Services
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   Fontana, CA 92336
   Phone 1-800-443-1860 (US)
   1-800-821-0589 (CA)

6. Met-Chem
   4 Fairfield Blvd.
   Wallingford, CT 06492
   Phone 1-203-284-7400

7. Mitsuba Corporation
   650 Terrace Drive
   San Dimas, CA 91773
   Phone 1-800-MITSUBA (US)
   1-714-592-2866 (CA)

8. Mitsuba NJ, Inc.
   1 Industrial Way West, E-12
   Eatontown, NJ 07724
   Phone 1-201-389-8010

9. Mitsuba Southeast, Inc.
   6463 Atlantic Blvd. N.W.
   Norcross, GA 30071
   Phone 1-404-368-0532

10. Mitsuba Texas
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    Suite 186
    Dallas, TX 75207
    Phone 1-214-638-4444

11. Nimax
    7360 Carroll Road
    San Diego, CA 92121
    Phone 1-619-549-6372

12. Peirce-Phelps, Inc.
    Data Systems Division
    2000 North 59th Street
    Philadelphia, PA 19131-3099

    Phone 1-800-843-7368 (US)
           1-800-342-2292 (PA)

13. PGI
    1635 W. 12th Place
    Tempe, AZ 85281

    Phone 1-800-528-1415 (US)
           1-602-967-1421 (AZ)

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