

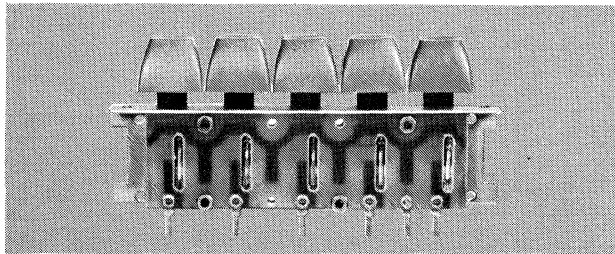
Maxi-SWITCH

KEYSTRIPS AND KEYBOARDS

The Maxi-Switch Company is a leading producer of pushbutton switch components and switch assemblies for the computer, photo-copy, business machine, automation and peripheral equipment industries.

The Maxi-Switch Keystrip construction technique facilitates the design and production of custom keyboards. Individual push-button stations may be purchased singly, in Keystrips, numeric blocks, or as completed Keyboards, with or without encoding circuitry. The wide range of features, options and accessories complement Keyboard adaptability. (Maxi-Switch Bulletin 1600/1800.)

1600 & 1800 KEYSTRIPS

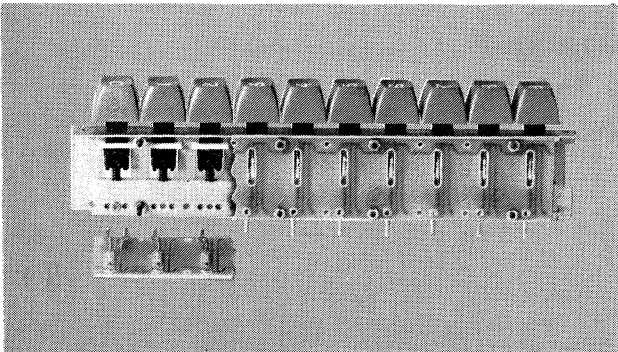


1800 KEYSTRIP

Maxi-Switch Keystrips present an unique approach to switch construction. These modular units offer long mechanical life and high quality in readily available, off-the-shelf assemblies. Combinations of different contact types, contact forms and plunger actions may be used within a single Keystrip. Up to 20 or more stations may be accommodated per Keystrip with standard spacing of $\frac{5}{8}$ or $\frac{3}{4}$ inch between stations. Other spacings are optionally available.

Standard Series 1600 and Series 1800 switches are equipped with glass reed contacts, and differ only in frame height and available options (1600 — 1.5" high, 1800 — 1.1" high). Contact options (1600 only) include cross-bar palladium leaf contacts and 15 ampere snap-action power contacts. Reset and lockout solenoids may also be used with Series 1600 Keystrips.

Individual reeds may be tied to a common bus on one side, or brought out to separate terminals, depending on the requirements of the application. The common bus feature saves component and mother-board space, and requires fewer solder connections.



1600 KEYSTRIP

SPECIFICATIONS

BUTTONS:

A variety of lighted and unlighted buttons available in several colors. Ask for Maxi-Switch Bulletin MS 2500 for information on buttons and Keystrip/Keyboard illumination.

TERMINALS:

Printed circuit, pierced solder lug, plug-in male/female contacts, wire-wrap, .110 quick connect.

CONTACTS:

Glass Reed, form A or B, single or dual station. 28 VDC @ 250 Ma.

Cross-Bar Palladium leaf contacts, Form A, B or C (1600 only). 3 Ampere @ 28 VDC, 3 Ampere @ 115 VAC.

Snap-Action Power Contacts (1600 only). 10 Ampere @ 250 VAC, $\frac{1}{2}$ Ampere @ 125 VDC; or 15 Ampere @ 250 VAC, $\frac{1}{2}$ Ampere @ 125 VDC.

PLUNGER ACTIONS:

Momentary Contact (standard)

Alternate Action (push-push)

Interlatch and Lockout

Lockout Only

Key Motion Sensing

Cross-Bank Interlatch and Lockout (between Keystrips).

KEYBOARDS



KEYBOARD ASSEMBLY

Maxi-Switch offers three different keyboard construction methods.

Keyboards can be constructed using Keystrips mounted on a precision-fabricated steel frame. Spacing is precise, with no possibility of cocked or twisted buttons, or switch misalignment. Keyboard orientation may be flat, stepped or sloped.

Keyboards also are available constructed from our new 2700 Series Reed Switch and 3100 Mechanical Switch modules. Series 2700 switches feature pre-tested reeds that are machine adjusted for consistent operation. Series 3100 mechanical switches feature simplicity and long life in a low cost switch that incorporates contact wiping action as the switch is operated.

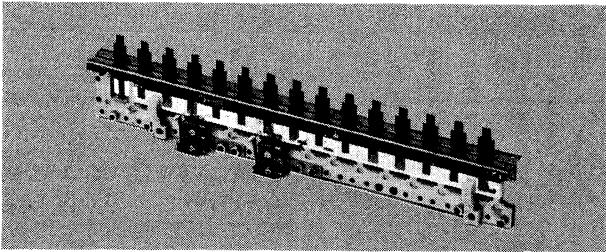
Maxi-Switch encoded keyboards may be ordered with either USASCII or EBCDIC standard formats. Encoding may be modified to meet special customer requirements. Output is compatible with DTL/TTL or MOS logic circuits, and is transmitted in up to 9 bits.

1200/1400 KEYSTRIPS

Series 1200 and 1400 Keystrips feature two-piece steel frames as the basic structure, with push-button components mounted between two frame halves. Precision tooling and the highest quality materials are used in Maxi-Switch construction for long life and trouble-free operation. Careful attention to tolerances gives smooth action with low operating force. These Keystrips may be supplied as completed individual keystrips, assemblies of several keystrips, or in custom panel assemblies, wired and tested.

Series 1200 and 1400 Keystrips may be lighted with one or two lamps per switch station (form A lamp contact not available on 1400 switches with more than 3 bits). Both midget groove and midget flange T-1½ bulbs are available. Lamp sockets may be furnished with solder lugs, AMP 78 Series taper tabs, 3-inch pigtail lead wires, or with common bussing.

1400 BINARY KEYSTRIPS

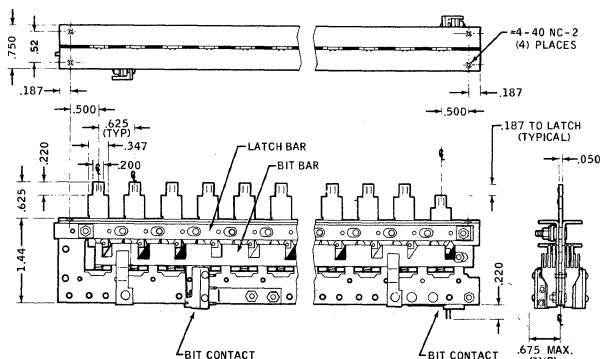


1400 KEYSTRIP

Maxi-Switch offers the newest concept in binary coded decimal switching. Series 1400 switches represent a significant advancement in the development of simplified mechanical encoding techniques, eliminating the maze of contacts, diodes, and interconnections normally associated with switch encoding. Wiring, bussing and solder connections are reduced to a minimum, with appearance and reliability enhanced by simplified construction. Up to 20 buttons can be accommodated on a single 1400 Keystrip.

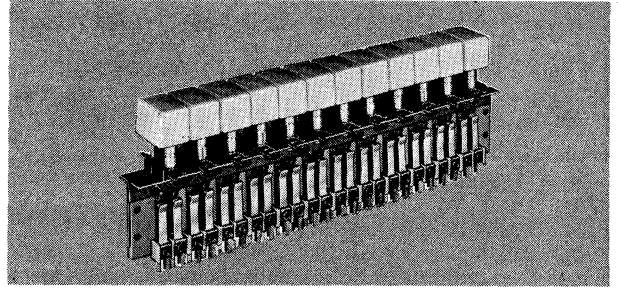
BCD encoding is accomplished by means of movable bit bars fitted with snap-in acetyl resin coding cams. These cams cause the bit bars to close the proper contacts for a discrete code when a button is depressed. Coding may be modified in the field or by the customer simply by repositioning the bit cams.

The Maxi Binary Switch will provide 3, 4, 5 or 6-bit binary output through snap-action contacts rated at 3 amperes, 300 watts, form "A" (SPST/NO) or form "C" (SPDT).

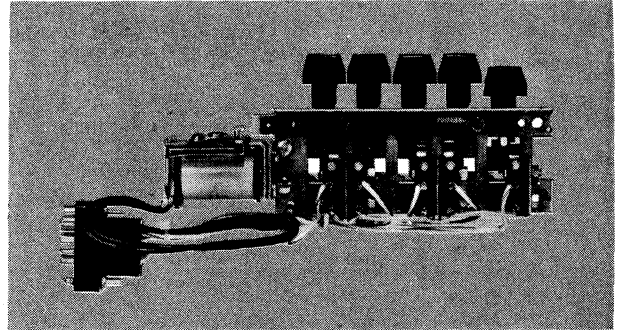


FOR BUTTON DIMENSIONS SEE TECHNICAL BULLETIN MS2500

1200 KEYSTRIPS



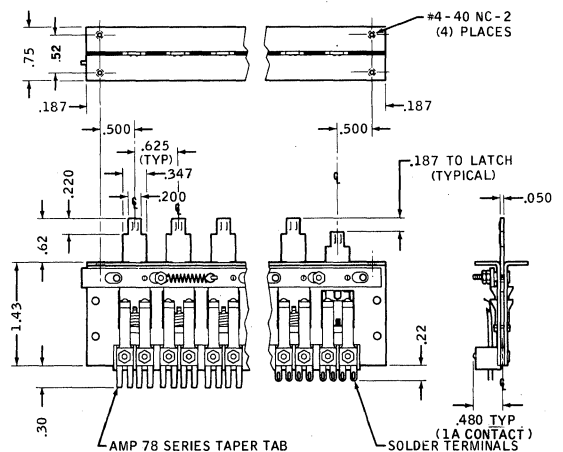
1200 KEYSTRIP



1200 KEYSTRIP

Series 1200 Keystrips provide circuit switching of up to 20 positions per keystrip. Many action options are available, and variations of standard design may be quickly accomplished using basic shelf stock for fast prototype and production service. Maxi Keystrip construction is strong and durable. The heavy duty frame members eliminate problems of cocked or twisted buttons and imperfect spacing. Our Keystrips add a touch of lasting quality to the appearance of any equipment.

The range of available contact forms (A, AA, B, C or F), plunger actions, terminals and buttons allow the designer to specify switches which are exactly suited to the application. With Maxi-Switch there need be no compromise with quality or capability.



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