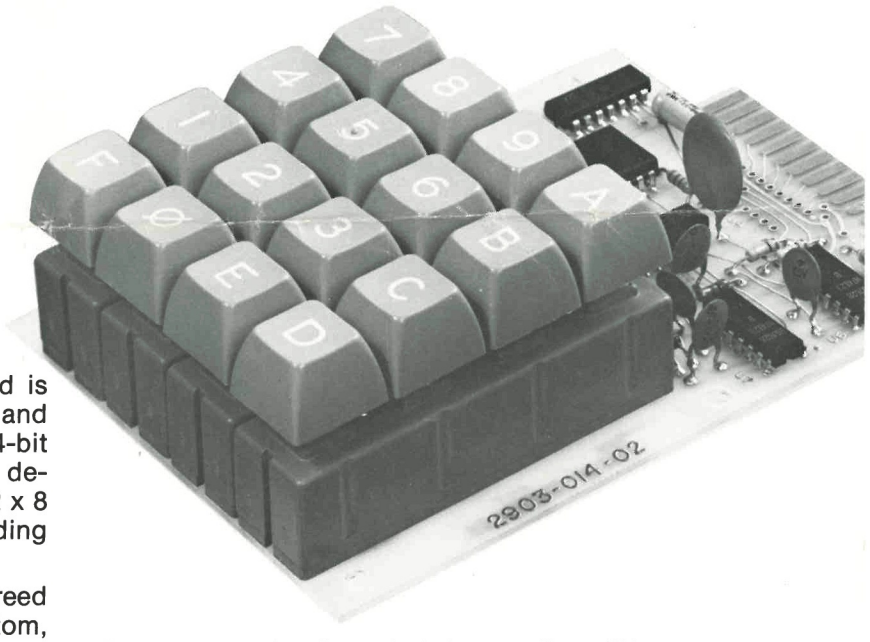
THE Maxi-SWITCH CO.
9697 EAST RIVER ROAD • MINNEAPOLIS, MINNESOTA 55433
PHONE (612) 755-7660

2900 SERIES MODULAR REED HEXADECIMAL KEYBOARD

- **Sealed and environmentally protected switches**
- **Field replaceable reeds, removable from back of circuit board**
- **Switches successfully tested to over 100 million operations**
- **Standard 4-bit hex code output**
- **Accepts 32 x 8 PROM for custom coding**



The Maxi-Switch 2900 Series hex keyboard is designed for data entry, numeric control and other limited input applications requiring 4-bit output in standard hex code. The board is designed and drilled for easy addition of a 32 x 8 PROM to allow for economical custom encoding in special applications.

This keyboard uses Maxi-Switch 2900 Series reed switches which are inserted from the bottom, through openings in the circuit board. They may be removed and replaced in the field with simple soldering tools. These switches are tested to over 100 million operations under load. Switch rating is 50VDC, 20 ma. maximum.

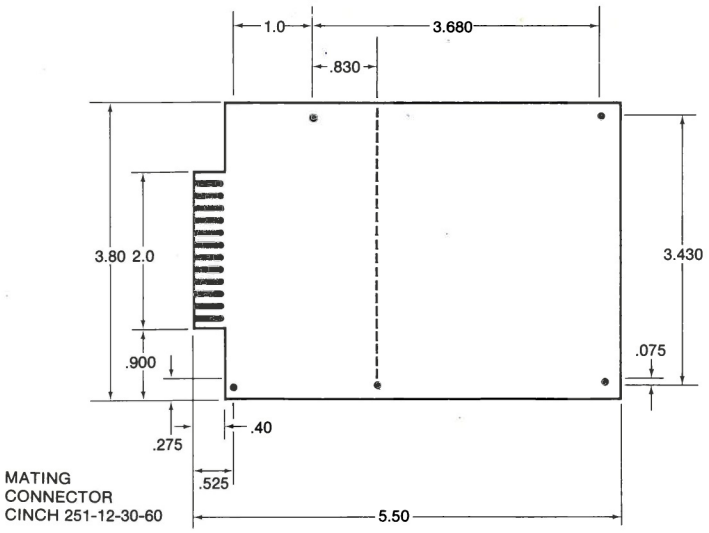
Plungers are made of low-friction acetal resin for smooth and consistent operation, and long life. Plunger travel is .170-in, + .01-in, nom. Standard plunger operating force is 2.5 oz., + .5 oz. (71 gm, + 14 gm.). Optional springs are available for other levels of operating force.

Users may choose from several optional keytop colors to match adjoining system equipment. Power requirement is +5 VDC @ 200 ma. Matrix scan rate is 2.4 milliseconds, and maximum data entry is 60 characters-per-second.

Encoding

0	0000
1	0001
2	0010
3	0011
4	0100
5	0101
6	0110
7	0111
8	1000
9	1001
A	1010
B	1011
C	1100
D	1101
E	1110
F	1111

Pin Connections

1,9	+5 VDC
10	GROUND
11	BIT 1
12	BIT 2
2	BIT 3
3	BIT 4
7	STROBE
8	$\overline{\text{STROBE}}$

Keyboard Dimensions