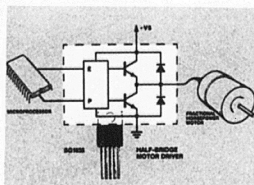


IC matches low-level signals, high-current loads

A monolithic IC, by being designed to interface low-level (TTL) logic signals with high-current, inductive, or capacitive loads, can accept high-speed pulse-width-modulation inputs for motor drives in such devices as disk drives or Class C audio

amplifiers. The SG3635 from Silicon General can source or sink peak currents of up to 5 A with a typical response time of 100 ns.

In addition, internal interlock protection ensures that source and sink are never on at the same time. It also provides automatic



shutdown of the source output when the chip temperature exceeds 160°C.

The SG3635 incorporates high-speed commutating diodes; consequently, pairs of SG3635s provide full-bridge drive for bidirectional motor control, and can be configured to provide either dual or three-state outputs.

Maximum ratings include 30-V input supply, 2-A continuous output (5 A peak), and 3-A peak for the diodes.

In quantities of 1000, the SG3635 costs \$3.50 for the TO-220, and \$4 for the TO-66. Delivery is from stock.

Silicon General, 11651 Monarch St., Garden Grove, CA 92641. (714) 892-5531.

CIRCLE 322

TEC keyboards come with a pulse.

The Inductive Keyboard presents a new concept in keyboard technology. Unlike the Hall-Effect or the Ferrite core technology currently in use, the Inductive Keyboard uses a "Pulse Transformer" principle offering an extremely high signal to noise ratio.

The closed key coupling produces a peak output which is superior in magnitude to the Hall-Effect, and the Capacitive technologies. With the higher peak output the effects of dust, moisture and other environmental hazards and contaminants are minimized.

The Inductive Keyboard provides dependable solid state switching. The low impedance traps and squelches stray static and RF signals and is insensitive to noise and other EMI.

The Inductive Keyboard has a definite switch closing point. It does not rely upon an analog change making the TEC keyboard more reliable than other types currently available.

Features

- ☐ Quiet operation
- ☐ N-Key rollover standard
- ☐ ASCII encoded standard
- ☐ Long-life—100 million operations
- ☐ LED indicators in keycaps for specific key functions optional
- ☐ Resistant to most environmental conditions

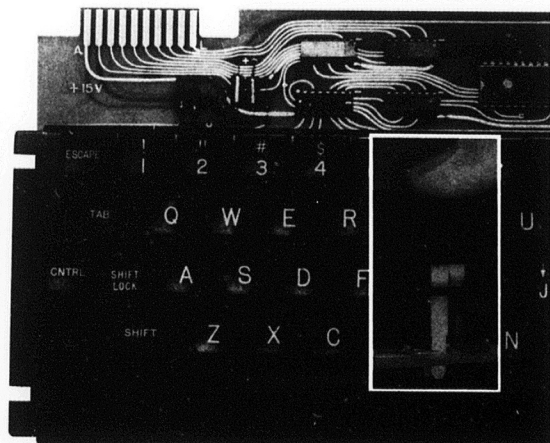
☐ High reliability—45,000 hours or greater meantime before failure.

For more information on the Inductive Keyboard and others contact:

TEC, Incorporated

Corporate Headquarters
2727 N. Fairview Ave.
Tucson, Arizona USA 85705
(602) 792-2230 TWX 910-952-1377
Telex 15-5540

TEC International, Inc.
European Sales Office
Avenue Louise 148—Box 6
1050 Brussels, Belgium
(02) 649-81 54 Telex 846-63553



CIRCLE 177

CMOS DAC interfaces to popular μ Ps

An 8-bit, CMOS D-A converter, the MP7524, directly interfaces to many popular microprocessor types, including the TMS8080A, MK3870, MC6800, SY6500, S6800, 8080A, 9080A, and S9980. The buffered, multiplying DAC provides $\pm 1/2$ LSB accuracy with a power dissipation of only 10 mW. Gain tempo is 10 ppm/°C; settling time, 100 ns.

Micro Power Systems, 3100 Alfred St., Santa Clara, CA 95050. (408) 247-5350. Typical \$4.40 (100 qty); stock to 4 wks.

CIRCLE 396