



# DG509A

## Dual 4-Channel Multiplexer

The DG509A is a high performance Dual 4-Channel multiplexer built using the **Siliconix PLUS-40 CMOS process** that includes ESD protection to 2500 V and an epitaxial layer to prevent latch up.

These devices are built and tested by Eltek Semiconductors Ltd. using genuine **Siliconix** die for use in military or aerospace applications.

These parts are available in either 16-pin Side Braze DIL or 20-pad CLCC packages and are fully compatible with the original device supplied by Siliconix.

The DG509A is a dual 4-channel device designed to connect 1 of 4 dual inputs to a common dual output as determined by its 3-bit binary address ( $A_0, A_1, A_2$ ) logic.

Availability is limited to wafer stock on hand.

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### FEATURES

- -55 to125 C operation
- TTL & CMOS direct control over full temperature range.
- Low Power (30 mW typ.)
- Break-Before-Make Switching
- ESD Protection > ±2500 V
- 44 V Power Supply Rated

### BENEFITS

- Easily Interfaced
- Reduced power Consumption
- Reduced Crosstalk
- Rugged Design

### PART NUMBERS AVAILABLE

