

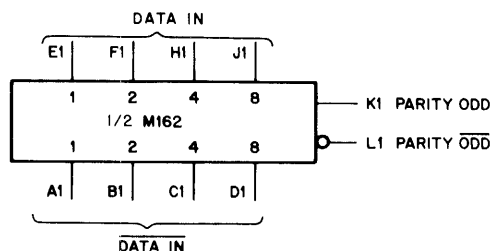
M162 Parity Circuit

The M162 module is a parity detector and contains two parity circuits. Each circuit indicates whether the binary data presented to it contains an odd or even number of 1s. The requirements of the data and its complement are shown in the illustration.

Indication of odd parity is given by a HIGH level at pins K1 and U2. Pins L1 and V2, when HIGH, indicate even parity or no input.

The following are the input, output, and power characteristics of the M162 module.

- INPUTS:** Each input presents four unit loads.
- OUTPUTS:** Pins L1 and V2 can each supply up to ten unit loads. Pin K1 and U2 can each supply up to six unit loads.
- POWER:** Power dissipation of the M162 module is +5V at 102 mA (maximum).



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M162 Simplified Diagram