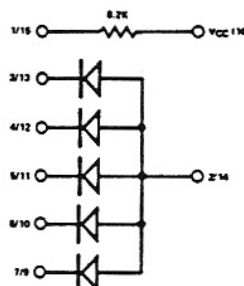
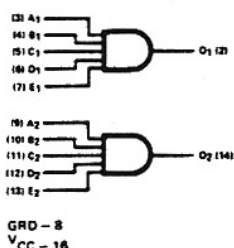


Features

- PROVIDES 5 ADDITIONAL INPUTS TO EXPANDABLE GATES, BUFFERS AND OTHER HiNIL DEVICES
- OPTIONAL PULLUP RESISTORS FOR SECOND-LEVEL GATING

Logic and Schematic Diagrams



Specifications

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I_{CC} (WORST-CASE)	4.2 mA @ 13V, 5.2 mA @ 16V
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NOTE:

I_{CC} is tested at $V_{CC} + 1$ Volt (+13V for C type and +16V for A type) and is guaranteed across the applicable temp range.

See page 12 for electrical summary data.

Loading Table

331

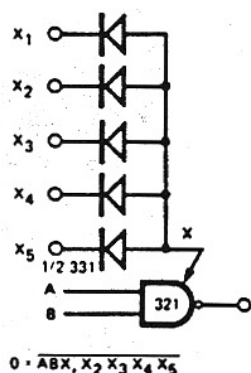
PINS	FUNCTION	LOADING
A-E	Inputs	1 UL
0	Outputs	

Typical Applications

Each diode presents one unit load to a HiNIL expander input. When used as a second-level gate, the output is connected through the pullup resistor to V_{CC} . Active devices are not

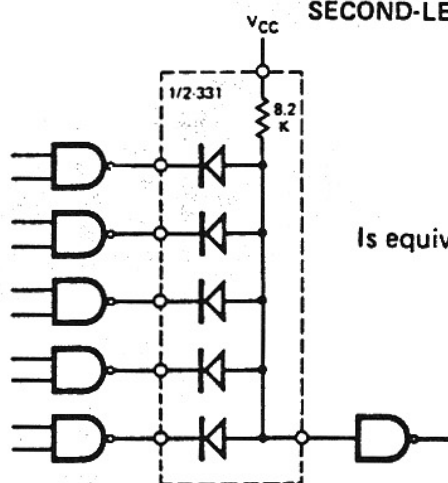
used to restore logic levels in second-level gating applications. Instead, the first-level gate's high noise immunity overcomes the drop.

GATE EXPANSION



0 - ABX, X₂ X₃ X₄ X₅

SECOND-LEVEL AND GATE



Is equivalent to:

