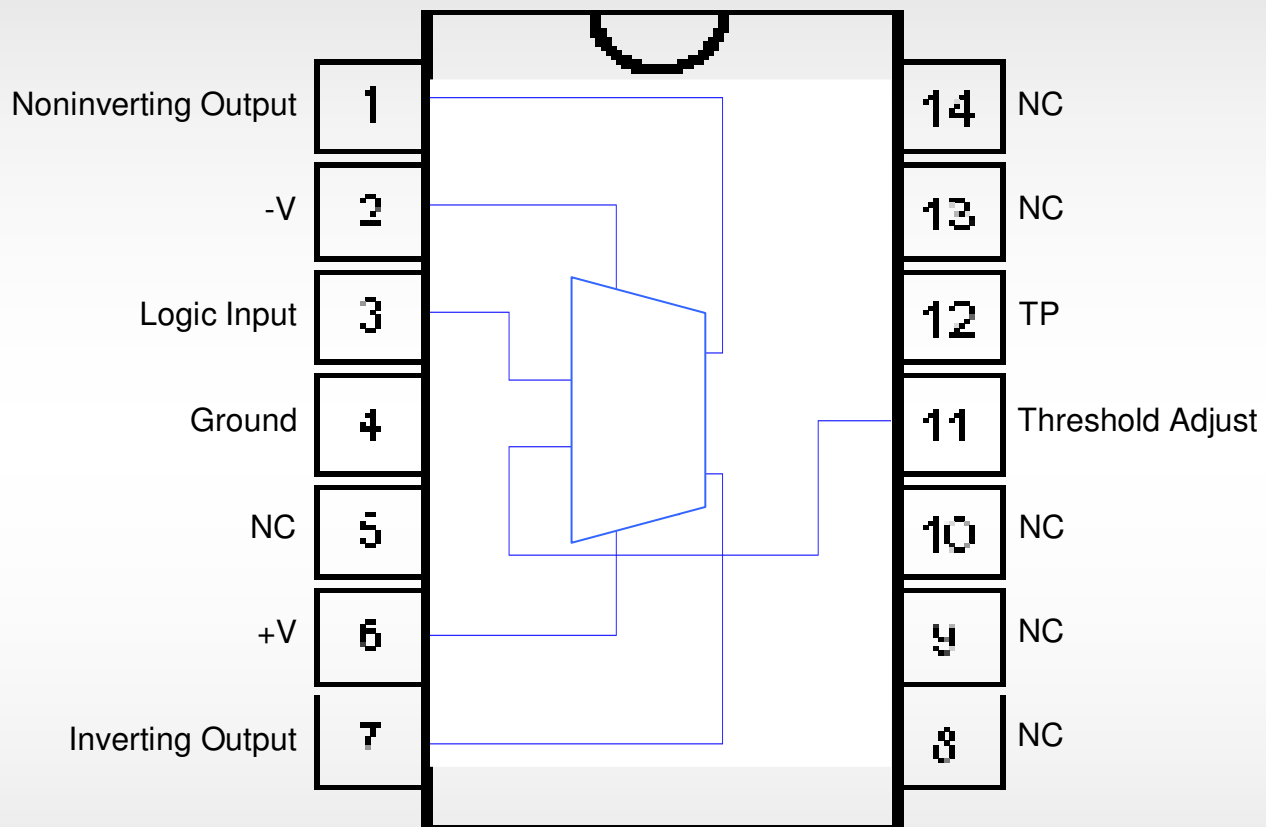


Radiation tolerant, latchup-free

K21

Driver for -10 to -40V GaN MMIC switches, Very high speed, Adjustable logic threshold



The K21 Building Block provides a high speed, easy-to-integrate driver for GaN MMIC switches that require moderately high gate voltages for operation. The Threshold Adjust pin can be left disconnected for +3.5V to +5V CMOS compatibility, or adjusted with an external resistor for any threshold voltage over the wide range of typical logic families. Under most logic and supply conditions, the K20 switches in less than 20 nsec and draws typically less than 20 mA from the positive and negative supplies.

For applications where supply current is at a premium but switching speed is less critical, also consider the K16 for a lower power version of the K21, with increased high voltage capability as well.