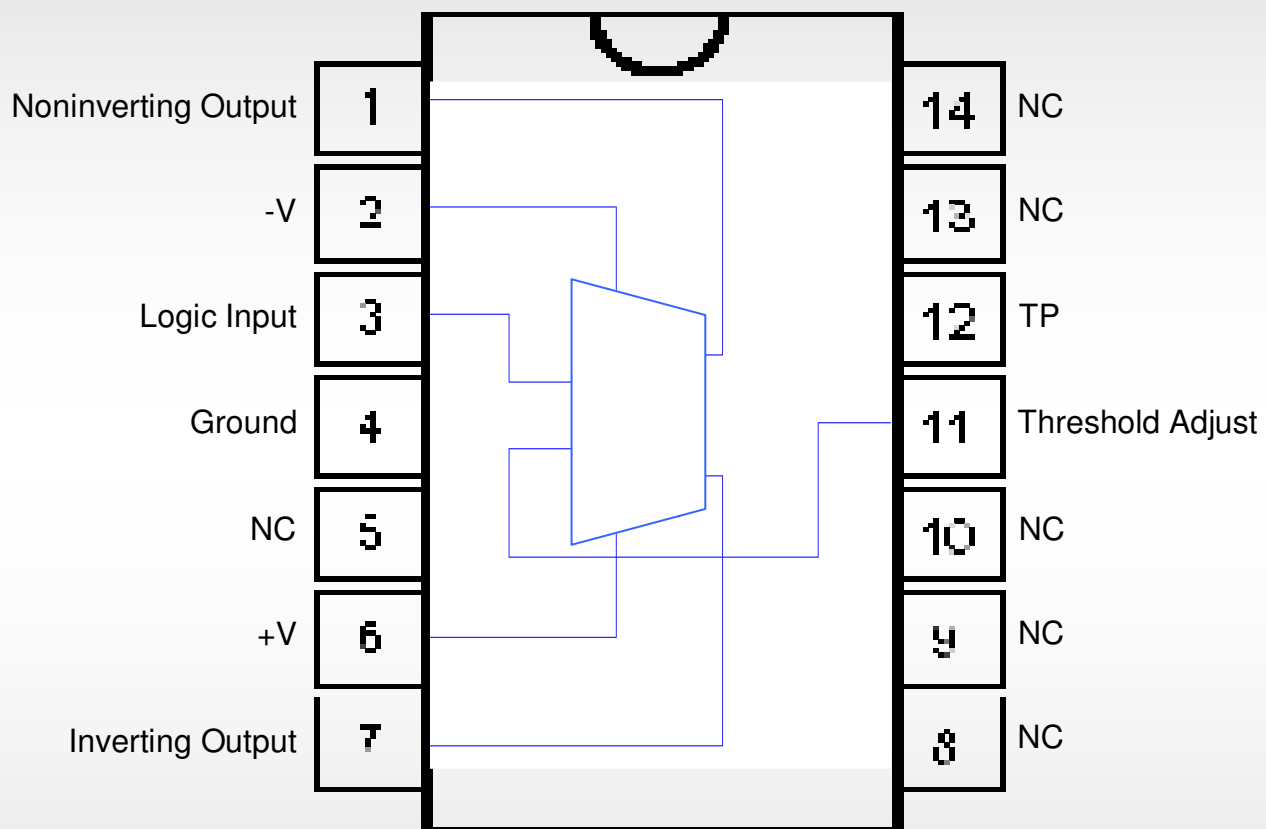


Radiation tolerant, latchup-free

# K16

## Driver for -30 to -60V GaN MMIC switches, Ultra-low power, Adjustable logic threshold



The K16 Building Block is a very low-current, easy-to-integrate driver for GaN MMIC switches that require 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 K16 requires less than 2 mA from the negative supply, and it switches in less than 300 nsec.

For applications where switching speed must be higher than the K16 can deliver, the K20 provides this although it draws a bit more supply current.