

Level 0 Block Diagram



Module	Blind Spot Detector
Inputs	<ul style="list-style-type: none">- Ultrasonic Range Data: Analog Voltage, convert to $(V_{cc}/512)/\text{inch}$- Power: 12 Volt Car Battery- Switch Control: Double-throw
Outputs	<ul style="list-style-type: none">- LED Indicator: 5 V, 20 mA Green LED
Functionality	Turn on LED when switch has been turned up or down AND ultrasonic range data shows detection of object at least 84 inches away.