

## GLF72101

### Nano Current Consumed I<sub>Q</sub>Smart™ Switch with True Reverse Current Blocking

#### DESCRIPTION

The GLF72101 is an advanced technology fully integrated I<sub>Q</sub>Smart™ load switch device with True Reverse Current Blocking (TRCB) technology and slew rate control of the output voltage.

The GLF72101 offers industry leading True Reverse Current Blocking (TRCB) performance, featuring an ultra-low threshold voltage. It minimizes reverse current flow in the event that the V<sub>OUT</sub> pin voltage exceeds the V<sub>IN</sub> voltage.

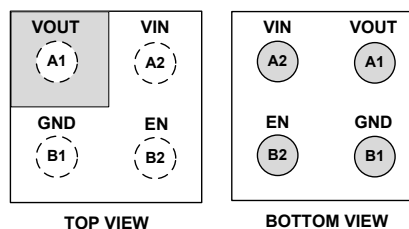
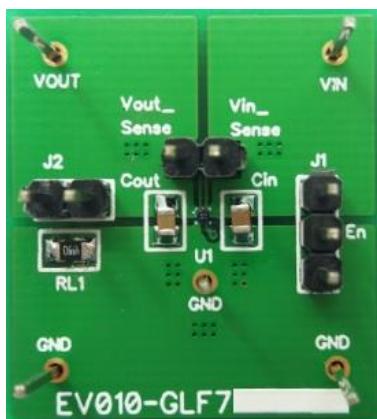
#### FEATURES

- True Reverse Current Blocking
- I<sub>Q</sub>: 0.45 uA Typ @ 5.5 V<sub>IN</sub>
- I<sub>SD</sub>: 20 nA Typ @ 5.5 V<sub>IN</sub>
- Low R<sub>ON</sub>: 37 mΩ Typ @ 5.5 V<sub>IN</sub>
- I<sub>OUT</sub> Max: 2 A
- Wide Input Range: 1.5 V to 5.5 V  
6 Vabs max
- V<sub>OUT</sub> Rise Time: 570 us at 3.3 V<sub>IN</sub>
- Internal EN Pull-Down Resistor
- Integrated Output Discharge Switch
- 0.77 mm x 0.77 mm x 0.46 mm  
Wafer Level Chip Scale Package

#### PRODUCT TABLE

Eval Board Ordering Info	Part Number	Top Mark	R <sub>ON</sub> (Typ.) @ 5.5 V <sub>in</sub>	Output Discharge	EN Activity
EV010-GLF72101	GLF72101	F	37 mΩ	85 Ω	High

#### EVALUATION BOARD & DEVICE PACKAGE



Pin #	Name	Description
A1	V <sub>OUT</sub>	Switch Output
A2	V <sub>IN</sub>	Switch Input. Supply Voltage for IC
C1	GND	Ground
C2	EN	Enable to control the switch