

GLF74130

4.5A Power Mux Switch with Auto & Manual Input Selection

DESCRIPTION

The evaluation board EV014 features the GLF74130 I_QSmart™ which are fully integrated power mux switches with two-input and single-output. The EN and SEL pin provide manual and automatic input power source selection between two different power supplies.

The GLF74130 operates at the wide input range from 1.5 V to 5.5 V and delivers up to 4 A per each channel.

They include inrush current control and the reverse current blocking protection to avoid unwanted reverse current to input power sources.

GLF74130 FEATURES

- Two-Input and Single-Output Power Multiplexer Switch
- Automatic and Manual Input Selection Modes
- Supply Voltage Range: 1.5 V to 5.5 V
- R_{ON} = 20 mΩ Typ. at 5.5 V_{IN1} or V_{IN2}
- 4 A Continuous Output Current Capability Per Channel
- Ultra-Low I_Q : 4 uA Typ at 5.5 V_{IN}
- Ultra-Low I_{SD} : 50 nA Max at 5.5 V_{IN}
- Reverse Current Blocking When Disabled
- HBM : 6 KV, CDM : 2 kV
- 1.27 mm x 1.67 mm, 12 Bump Wafer Level Chip Scale Package

PRODUCT TABLE

Eval Board Ordering Info	Part Number	R _{ON} (Typ.) @ 5.5V _{in}	EN & SEL Activity
EV014-GLF74130	GLF74130	20 mΩ	High