Evaluation Kit Information

General Description

The MAX619 evaluation kit (EV kit) is a 3V to 5V charge-pump DC-DC converter capable of driving loads up to 50mA. The circuit consists of the SOIC and four surface-mount capacitors on a single-layer printed circuit board.

Features

- **2.0V to 3.6V Input Range**
- **Up to 50mA Output Current**
- **1µA Shutdown Current**

Quick Start

The MAX619 EV Kit is fully assembled and tested. Follow the steps below to verify board operation.

Do not turn on the power supply until all connections are completed.

1. Connect a 2V to 3.6V supply to the pad marked VIN. The ground connects to the GND pad.
2. Connect a voltmeter and load (if any) to the VOUT pad.
3. Place the shunt on JU1 across the ON side. This grounds the SHDN pin to enable the device. Moving the shunt to the OFF side connects SHDN to VIN to disable the device. Remove the shunt if an external signal is connected to the SHDN pad.
4. Turn on the power and verify that the output is 5V ±4%.

Ordering Information

PART	TEMP. RANGE	BOARD TYPE
MAX619EVKIT-SO	0°C to +70°C	Surface Mount

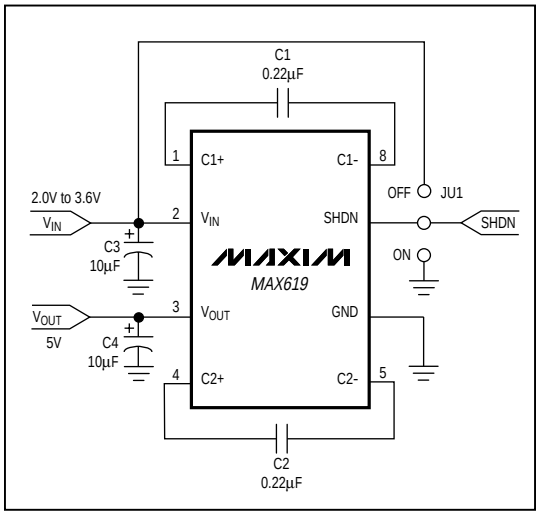

Figure 1. MAX619 EV Kit Schematic

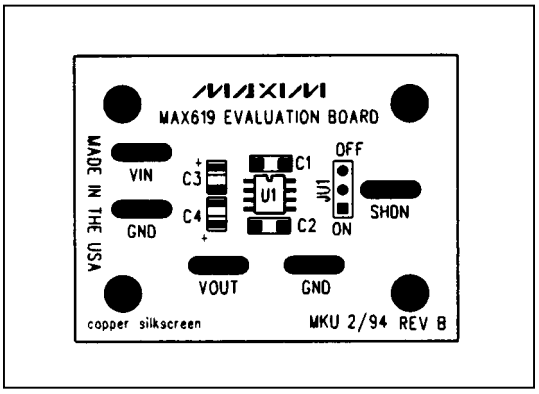

Figure 2. Component Placement Guide—Component Side

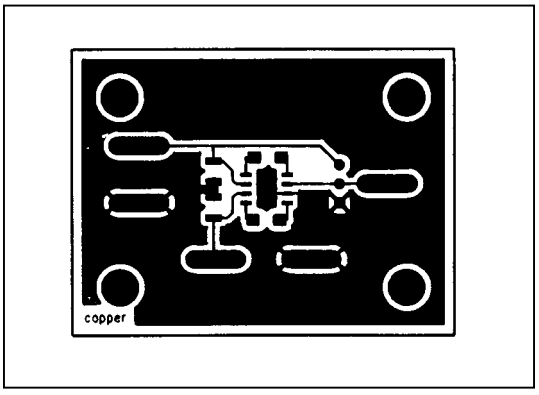

Figure 3. PC Board Layout—Component Side