

PG79584 Stackable 60V, 15A eFuse with Hot Swap Protection and Current Monitoring

Features

- Wide input voltage range: 6V to 60V
- Maximum 15A output current
- Integrated 7mΩ power MOSFET
- Integrated current sense and current monitor
- Adjustable current limit threshold
- Adjustable output soft start time and insertion delay time
- Paralleled operation for higher current applications
- Input OV, output short-circuit, over-temperature, FET short protections
- Fault indication signal
- Selectable protection mode: Latch or hiccup

Applications

- Industrial applications
- Servers
- Networking

Description

The PG79584 is an active circuit protection device with integrated MOSFET used to limit current and voltage to safe levels during fault conditions.

The current limit level can be set with a resistor between CLREF and ground. Also, the device has integrated current sense and provides current monitor signal.

To limit the inrush current during device turn-on, the output soft start time can be set by a capacitor between SS and ground.

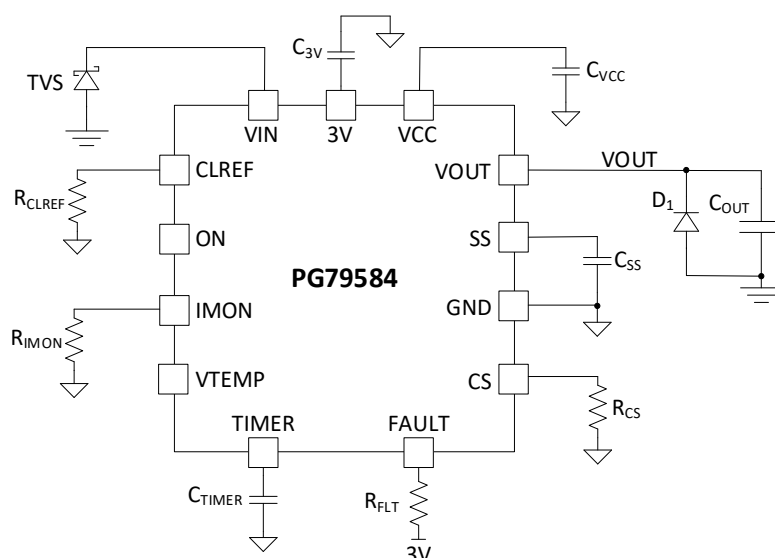
In addition, the device provides fault indication signal to the system for monitoring and control.

PG79584 can be connected in parallel for higher current applications.

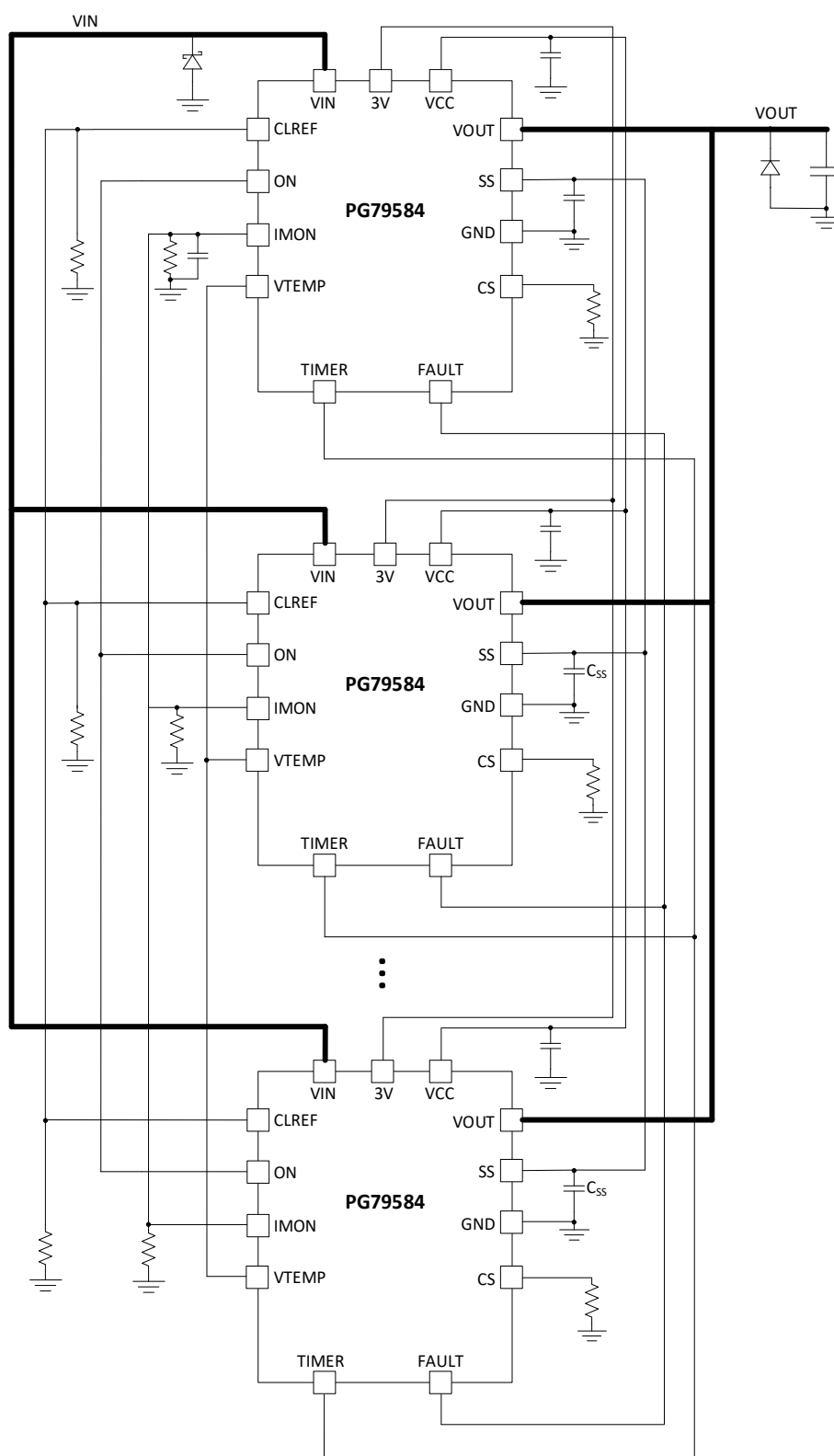
The device is available in QFN-30, 5x5 mm package.

PART NUMBER	PACKAGE	BODY SIZE
PG79584	QFN-30	5x5 mm

Typical Application Circuit



Typical Application



Parallel Operation