

Current Limit SW 1-IN 1-OUT 2.7V to 5.5V 1A 10-Pin μ MAX T/R

Manufacturer:	Maxim Integrated	<input type="text" value="MAX1693HEUB+T Image"/>
Package/Case:	MSOP10	Images are for reference only
Product Type:	Switches	<input type="button" value="Inquiry"/>
RoHS:	RoHS Compliant/Lead free 	
Lifecycle:	Active	

General Description

Application

A fault signal notifies the microprocessor that the internal current limit has been reached. A 10ms fault-blanking feature allows momentary faults (such as those caused when hot-swapping into a capacitive load) to be ignored, thus preventing false alarms to the host system. This fault blanking also prevents a fault signal from being issued when the device is powering up.

In the MAX1693/(MAX1693H), an output overcurrent condition causes the switch to current limit at 0.7A to 1.0A and active-low FAULT to go low after the 10ms blanking period. When the overcurrent condition is removed, active-low FAULT returns to its high-impedance state. In the MAX1694, any overcurrent longer than 10ms will latch the switch open and set active-low FAULT low. The latch is cleared by cycling the active-low ON input or by powering up the device again. This feature saves power by preventing the device from thermally cycling on and off in case of a persistent short-circuit condition.

The MAX1693/(MAX1693H)/MAX1694 have several safety features to ensure that the USB port is protected. Built-in thermal-overload protection limits power dissipation and junction temperatures. Both devices have accurate internal current-limiting circuitry to protect the input supply against overload. They are available in space-saving 10-pin μ MAX? packages.

Applications

Battery Chargers

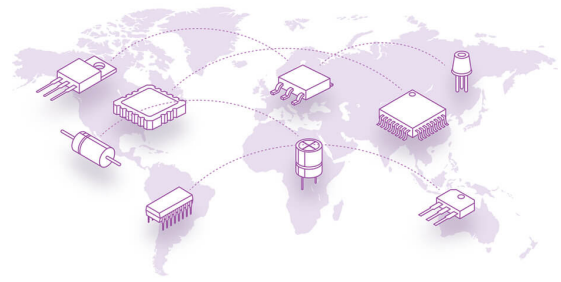
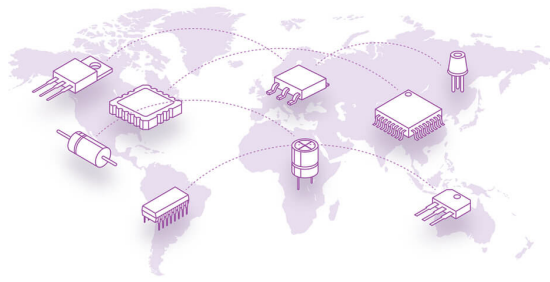
Docking Stations

Hot Plug-In Power Supplies

Notebook Computers

Portable Equipment

USB Ports and Hubs



Recommended For You

MAX1636EAP

Maxim Integrated

SSOP20

MAX1758EAI+

Maxim Integrated

SSOP28

MAX1673ESA+

Maxim Integrated

SOP8

MAX1682EUK+T

Maxim Integrated

SOT23-5

MAX1720EUT+T

Maxim Integrated

SOT23-6

MAX845ESA+T

Maxim Integrated

SOP-8

MAX1681ESA+

Maxim Integrated

SOP-8

MAX17113EIL+

Maxim Integrated

QFN

MAX690CPA+

Maxim Integrated

DIP8

MAX690MJA

Maxim Integrated

CDIP8

MAX6107EUR+T

Maxim Integrated

SOT23-3

MAX5920BESA+

Maxim Integrated

SOP-8

MAX5922AEU+

Maxim Integrated

TSSOP28

MAX5900ABETT+T

Maxim Integrated

TDFN-6

MAX5903LBEUT

Maxim Integrated

SOT23-6