
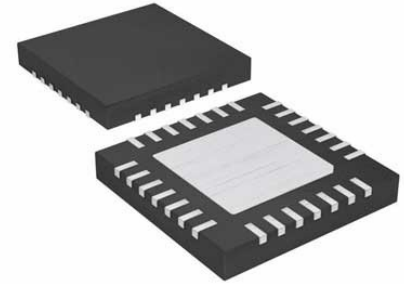


## Power Switch Hi Side 2-OUT 0.025A 28-Pin QFN EP

<b>Manufacturer:</b>	<a href="#">Maxim Integrated</a>
<b>Package/Case:</b>	QFN28
<b>Product Type:</b>	Switches
<b>RoHS:</b>	RoHS Compliant/Lead free 
<b>Lifecycle:</b>	Active



Images are for reference only

[Inquiry](#)

### General Description

The MAX1538 selector provides power-source control for dual-battery systems. The device selects between an AC adapter and dual batteries based on the presence of the three power sources and the state of charge of each battery. The MAX1538 includes analog comparators to detect AC/airline-adapter presence and determine battery undervoltage. Fast analog circuitry allows the device to switch between power sources to implement a break-before-make time, which allows hot swapping of battery packs. The MAX1538 independently performs power-source monitoring and selection, freeing the system power-management  $\mu$ P for other tasks. This simplifies the development of  $\mu$ P power-management firmware and allows the  $\mu$ P to enter standby, reducing system power consumption. The MAX1538 supports “relearn mode,” which allows the system to measure and fully utilize battery capacity. In this state, the part allows the selected battery to be discharged even when an AC adapter is present. The MAX1538 can also be used to power the system in an aircraft. On detecting an airline adapter, the MAX1538 automatically disables charging or discharging of battery packs and only allows the system to be powered from the adapter. The MAX1538 is available in a space-saving 28-pin thin QFN package with a maximum footprint of 5mm x 5mm.

### Application

Dual-Battery Portable Equipment

Internet Tablets

Notebook and Subnotebook Computers

### 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

**MAX5922AEUI+**

Maxim Integrated

TSSOP28

**MAX5900ABETT+T**

Maxim Integrated

TDFN-6

**MAX5903LBEUT**

Maxim Integrated

SOT23-6