

SMALLEST 1.2A USB SWITCHES WITH REVERSE BLOCKING PROVIDE COMPLETE USB PROTECTION

One IC Increases USB System Reliability and Reduces Cost

The MAX8586, MAX1558, and MAX1564 are the world's smallest, 1.2A current-limited switches for notebook computers, desktop computers, PDAs, set-top boxes, and USB hubs. Reverse current blocking adds protection for non-USB-compliant devices that try to send power into an USB output. A 14% accurate current limit saves power by not requiring an over-specified system supply to withstand an USB short. Fault blanking prevents false alarms, while autorestart checks the output with a small 25mA current and restores normal operation when a fault clears.

- **REVERSE CURRENT BLOCKING** *Protects Against Noncompliant Devices*
- **AUTORESTART** *Saves System Power*
- **20ms FAULT BLANKING** *Prevents False Alarms*
- **14% CURRENT LIMIT ACCURACY** *Saves System Power Cost*

NEW

**MAX8586
SINGLE PORT
(1.2A)**

◆ Selectable Autoreset Function
◆ Selectable Active High/Low
◆ Priced at \$0.65[†]

8-PIN TDFN
3mm x 3mm

NEW

**MAX1558/MAX1558H
DUAL PORT
(1.2A/CHANNEL)**

◆ Active High (MAX1558H)
◆ Priced at \$1.10[†]

10-PIN TDFN
3mm x 3mm

NEW

**MAX1564
TRIPLE PORT
(1.2A/CHANNEL)**

◆ Selectable Active High/Low
◆ Priced at \$1.55[†]

16-PIN TDFN
4mm x 4mm

[†]1000-up recommended resale. Prices provided are for design guidance and are FOB USA. International prices will differ due to local duties, taxes, and exchange rates. Not all packages are offered in 1k increments, and some may require minimum order quantities.



www.maxim-ic.com

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