

## Product Overview

### CAT885: Voltage Supervisor, 5-Channel, with Manual Reset

For complete documentation, see the data sheet.

The CAT885 is a five-channel power supply supervisory circuit with high reset threshold accuracy and very low power consumption. The device features an open-drain output, active-low function with manual reset to perform basic system reset and monitoring functions for a wide range of electronic products. The CAT885 monitors five system voltages by maintaining a reset output active until all the power supply voltages exceed the specified trip values. The device then maintains the reset output in an active condition until the internal timer times out, which allows the system power supplies to stabilize. Two of the five voltage detectors are factory set for standard supplies, while the threshold voltages of the third, fourth, and fifth voltage monitors can be adjusted for specific system design requirements using external resistors. The CAT885 lowers system costs and saves board space by integrating five channels into a single, small MSOP 8-lead package.

### Features

- Five-channel supply voltage detection
- 2 VDD inputs allow monitoring of +5.0V, +3.3V, +3.0V, +2.5V or +1.8V supplies
- 3 adjustable voltage inputs allow monitoring supplies > 0.6V
- 70ms minimum reset delay
- Manual reset capability
- Reset signals valid down to VDD = 1V
- Accurate  $\pm < 2\%$  voltage threshold
- Power-supply transients suppressed
- Low 2 $\mu$ A maximum supply current at 5V
- RoHS-compliant MSOP package

For more features, see the data sheet

### Applications

- Telecom & datacom systems
- Routers & servers
- Data storage equipment
- Set-top boxes
- Multi-voltage systems

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