



Part Number: ADM00773

EMC1833 REMOTE TEMPERATURE SENSOR EVALUATION BOARD

The evaluation system is comprised of the EMC1833 Remote Temperature Sensor Evaluation Board and the Thermal Management Software. The EMC1833 Remote Temperature Sensor Evaluation Board has the following features:

- Headers for connecting an external diode or CPU/GPU
- On-board test points: DC supply voltages, GND, SDA, SCL, and ALERT
- USB-to-SMBus bridge for power and communications

The user can perform the following operations using the Thermal Management software GUI:

- View, graph, or data log of any temperature channel
- Evaluate anti-parallel connected transistor

- Evaluate many device features, such as: temperature alerts, Rate of Change, hottest diode compare, resistance error correction, and one-shot mode.

The EMC1833 Remote Temp Sensor Evaluation Board provides the means to demonstrate all of the EMC1833 features, and allows a user to view and modify registers. A user may plot the temperature of the three temperature channels and set alert temperatures associated with those channels. Test points are included to enable system voltages, interface, and Alert monitoring, using a voltmeter or an oscilloscope. The board requires only one universal serial bus (USB) connection to power the board.

Package Contents

- EMC1833 Evaluation Board – An assembled and tested PCB ADM00773
- USB cable
- 2N3904FS-ND transistor (TO-92 package), for a simple method to quickly evaluate
- Important Information Sheet