

bq20z75 Errata

1 Abstract

May 1, 2008, Reference bq20z70 + bq29330, bq20z75 Technical Reference Manual ([SLUU265](#)) dated August 2007.

The bq20z75 device has had errata identified ([Section 2](#)), and is being replaced by the following newer devices:

- bq20z75DBT-V160
- bq20z75DBTR-V160

For the latest ordering information, data sheet, and software, visit <http://power.ti.com>, and search for bq20z75-v160.

The errata follows.

2 Dual Thermistor Issue

The bq20z75 allows the *Temperature* function to configure its source to be any of the following, via the **Operation Cfg A [TEMP1, TEMP0]** bits:

- Internal Temperature Sensor: [0, 0]
- TS1: [0, 1] (default)
- Greater value of TS1 or TS2: [1, 0]
- Average value of TS1 or TS2: [1, 1]

When the bq20z75 is not configured to use TS1 for the *Temperature* function (**Operation Cfg A [TEMP1, TEMP0]** not set to [0, 1]), then **OTC** and **OTD** will not trigger when *Temperature* is above the user-defined thresholds. **OTC** and **OTD** will only work properly if the **[TEMP1, TEMP0]** bits in **Operation Cfg A** are set to TS1 [0, 1].

3 TOUT/PRES Deadlock During Partial Reset

The bq20z75 will experience a partial reset during certain events, such as ESD. When a partial reset occurs, there is a potential deadlock between the TOUT and PRES signals. This will cause the system to be unable to correctly read the TOUT thermistor input or the state of the PRES signal from the host.

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