

bq20z90 (v110) Change List

Battery Management

ABSTRACT

This document describes the changes being made to the previously released bq20z90 (v102) design.

1 Introduction

The new bq20z90 (v110) firmware upgrade has been released in order to address the following requests and new feature additions:

- Manufacturer Info is now 20 bytes.
- The operation of the Zero Voltage Charge function has been corrected. Previously, this feature was not functioning correctly.
- The optional 99% RSOC hold-off option has been improved. If the [RSOCL] Bit = 1, then the 99% RSOC hold feature is activated. This means that SBS.RSOC stays at 99% during charging until a valid charge termination.

The following new orderable part numbers will be released to support this new device.

bq20z90DBT-V110 bq20z90DBTR-V110

Note that the latest version of the evaluation software is required to be able to read and write all the data flash configuration locations.

2 Summary

These changes are provided in order to enhance the functionality of the previous generation firmware.

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