
CCE4503 Errata Note

Abstract

This document contains the known errata for CCE4503 and the recommended workarounds.

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Introduction

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|------------|---------|
| Datasheet | CCE4503 |
| Package(s) | DFN10 |

Errata Summary

Table 1: Errata Summary

| Issue # | Issue Title |
|---------|-------------------------|
| 1 | First silicon |
| 2 | Short current threshold |
| 3 | Temperature shutdown |

Errata Details

Table 2: First silicon

| Issue # | Effect |
|---------|--|
| 1. | No comprehensive final test available to fully test all functionalities. |
| | Conditions |
| | Errata only applies to first silicon before comprehensive test is available. |
| | Technical Description |
| | Before a comprehensive test is available, undiscovered errors or other unexpected or unintended behaviors might occur. These could be, for example: - Values out of specified range - Erroneous switching behavior - ... |
| | Workaround |
| | None |

Table 3: Short current threshold

| Issue # | Effect |
|---------|--|
| 2. | Short current threshold is out of specified range |
| | Conditions |
| | Short current to LM |
| | Technical Description |
| | The measured short current threshold is about 25% lower then specified. I_{limP} (to L-) at $R_{ILIM}=0$ Ohm has a mean value of 280 mA (should be 350 mA) I_{limP} (to L-) at $R_{ILIM}=100$ kOhm has a mean value of 35 mA (should be 50 mA) |
| | Workaround |
| | None |

Table 4: Temperature shutdown

| Issue # | Effect |
|---------|--|
| 3. | Shutdown occurs at restart temperature |
| | Conditions |
| | "RESTART" threshold is reached |
| | Technical Description |
| | The intended hysteresis does not work. The "SHUTDOWN" threshold (165 °C +/- 15 °C) is reached when temperature reaches the "RESTART" threshold (155 °C +/- 15 °C). |
| | Workaround |
| None | |

Revision History

| Revision | Date | Description |
|----------|-------------|------------------|
| 1 | 29-APR-2020 | Initial version. |
| 2 | 28-JAN-2022 | Rebrand |

Status Definitions

| Status | Definition |
|-------------------------|--|
| DRAFT | The content of this document is under review and subject to formal approval, which may result in modifications or additions. |
| APPROVED or unmarked | The content of this document has been approved for publication. |