Errata

CCE4503

CE-IO-001

Abstract

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

1   Information

Datasheet	CCE4503
Package(s)	DFN10

2   Errata Summary

Table 1: Errata Summary

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

3   Errata Details

Table 2: First silicon

Issue #	Effect
1.	No comprehensive final test available to fully test all functionalitys.
	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

Document Revision History

Revision	Date	Description
1	29-APR-2020	Initial version.

CCE4503

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.

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