



Charge Module E Errata

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1 Revisions

Revision	Release Date	Changes
1	September 06, 2023	initial release

This document details all known errata for Charge Module E.

2 Inactive internal pull-down resistor on pin 16

2.1 Description

The "HW_Strap_1" pin 16 is intended to be pulled-down internally on the Charge Module E to prevent customer from the pre-series to activate the UART interface instead of the CAN by a floating pin. In firmware version v1.0.0 the pin was not configured correctly as pull-down, but as floating. This may result into a wrong interface configuration if the pin is not pulled-up or pulled-down by the customer like specified in the proper datasheet revision 8.

2.2 Affected Devices

All devices with the firmware version v1.0.0 can be affected by this issue if the pin is left floating by the customer.

2.3 Impact

If the pin is left floating by the customer, this may result into a wrong interface configuration.

2.4 Workaround

Option 1: This pin must be pulled-down for CAN or pulled-up for UART with a 3.3 kOhms resistor.

Option 2: The bug fix release v1.0.1 must be updated on the module.

2.5 Fix plan

When finding the error, the production was immediately stopped. The bug fix for the firmware was released with v1.0.1 on 30.08.2023 and transferred to the production on the same date. The firmware is available for all customers on 04.09.2023. Modules, which are still in stock and already produced with the v.1.0.0 are reproduced with the bug fix v1.0.1.