



# PCN-17

## Update stable Version in Production to v1.0.1

### 1 PRODUCT CHANGE NOTIFICATION

Charge Module E (CME)

#### Control information

|  |                            |
|--|----------------------------|
| <b>Area of validity: chargebyte GmbH</b>                         | <b>Version: 1.0</b>        |
| <b>Title: CME Update of firmware in stable version to v1.0.1</b> | <b>Status: released</b>    |
| <b>Protection class: public</b>                                  | <b>Document ID: PCN-17</b> |

#### Change history

| <b>Version</b> | <b>Content</b>  | <b>Author, Date</b>             | <b>Approved by, Date</b> |
|----------------|-----------------|---------------------------------|--------------------------|
| 1.0            | initial Version | Johannes Wittenbeck, 04.09.2023 | Neukötter 06.09.2023     |

### 2 TOPIC

This document is to inform you that changes are being made to the part(s) identified in this notice.

It is strongly recommended to update to the new SW- Version.

For this specific PCN, two changes are bundled as part of general product maintenance in the FW v.1.0.1:

- Pull-down on Bootstrap pin  
The missing pull-down configuration on Bootstrap pin 16 "HW\_Strap\_1" can lead into a wrong interface selection if the pin is left floating by the customer.  
This issue does not occur when the pin is pulled down or up like specified in the proper datasheet revision 8.  
The internal pull-down was activated with this bug fix.
- Pull-down on GPIO6 Bootloader Backdoor entry pin  
The missing pull-down configuration in the firmware on Bootloader pin 50 "BL\_BD" has NO affect on function or reliability for the customer.  
The internal pull-down was activated with this bug fix.

### 3 RELATED PRODUCTS

Product names:

- Charge Module E

#### Affected order codes

I2CME-DMNB-02-01-DC-T

I2CME-DMNB-02-01-DC-R

### 4 DESCRIPTION OF CHANGE

chargebyte GmbH always aims to deliver up-to-date products to its customers and pass technology changes and improvements as soon as available.

#### v.1.0.1

- Bug fix: Pull-down resistor correctly activated on Bootstrap pin.
- Bug fix: Pull-down resistor correctly activated in the firmware on GPIO6 bootloader backdoor entry pin.

### 5 AFFECTED CHANGE CATEGORIES

Firmware to version v1.0.1

### 6 ANTICIPATED IMPACT OF PRODUCT CHANGE

|             | Anticipated impact                        |
|-------------|---|
| Form        | not affected                              |
| Fit         | not affected                              |
| Function    | device can be inaccessible by environment |
| Reliability | device can be inaccessible by environment |
| Quality     | not affected                              |

### 7 CHANGED PART IDENTIFICATION

Changed parts can be identified by read out the Production Timestamp via the UDS. CMEs produced from 30th August 2023 on are delivered with new FW Version v1.0.1 in the affected Order Codes.

Changed parts can be identified by read out FW version via CAN or UART.

## 8 EFFECTIVE DATES

Change was executed on 30.08.2023

## 9 ATTACHMENTS

-None-