
Mask Set Errata for Mask 0M29W

Introduction

This report applies to mask 0M29W for these products:

- MC9RS08KB12
- MC9RS08KB8
- MC9RS08KB4
- MC9RS08KB2

MCU device mask set identification

The mask set is identified by a 5-character code consisting of a version number, a letter, two numerical digits, and a letter, for example 0M29W. All standard devices are marked with a mask set number and a date code.

0001: Startup issue on the KB family MCUs when powering up from a residual voltage

Description: The device can enter an erroneous state and will not start code execution when powering up from a small residual supply voltage. The voltage range varies with temperature around 0.5 V. The probability of failure increases with the time during which the MCU is supplied with critical voltage prior to power up.

Workaround: To ensure proper device operation, the MCU should be powered down in less than 1 second. Ideally, the device should be powered up from 0 V. A power up time greater than 1 ms can contain the issue if a proper power down cannot be achieved.

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