

Mask Set Errata 1

68HC705C9A 8-Bit Microcontroller Unit

INTRODUCTION

This errata provides information regarding 68HC705C9A programming sensitivity to higher V_{DD} values applicable to the following 68HC705C9A MCU mask set devices:

- 2F63J
- 3F63J

MCU DEVICE MASK SET IDENTIFICATION

The mask set is identified by a four-character code consisting of a letter, two numerical digits, and a letter (e.g., F63J). Slight variations to the mask set identification code may result in an optional numerical digit preceding the standard four-character code (e.g., 2F63J).

MCU DEVICE DATE CODES

Device markings indicate the week of manufacture and the mask set used. The data is coded as four numerical digits where the first two digits indicate the year and the last two digits indicate the work week. The date code "9115" would indicate the 15th week of the year 1991.

MCU DEVICE PART NUMBER PREFIXES

Some MCU samples and devices are marked with an "SC" or "XC" prefix. An "SC" prefix denotes special/custom device. An "XC" prefix denotes device is tested but is not fully characterized or qualified over the full range of normal manufacturing process variations. After full characterization and qualification, devices will be marked with the "MC" prefix.

Whenever contacting a Motorola representative for assistance, please have the MCU device mask set and date code information available.

Specifications and information herein are subject to change without notice.



PROGRAMMING SENSITIVITY TO V_{DD} VOLTAGES GREATER THAN 5.0 V

The 68HC705C9A can fail to program properly if V_{DD} is greater than 5.0 V during programming. Once programmed, however, the MCU functions properly across the entire electrical specification up to a maximum V_{DD} level of 5.5 V.

Because of this sensitivity, the two mask sets will be tested for programmability with V_{DD} equal to 5.0 V but not the upper limit of 5.5 V. All parts will be tested for full read functionality across the entire specification range for V_{DD} .

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