

Mask Set Errata 1

68HC705C5 8-Bit Microcontroller Unit

INTRODUCTION

This errata provides information pertaining to the reliability and packaging applicable to the following 68HC705C5 MCU mask set devices:

- D68C

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., D68C). Slight variations to the mask set identification code may result in an optional numerical digit preceding the standard four-character code (e.g., 0D68C).

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.



RELIABILITY

Due to a sizing error in the EEPROM cell, the EEPROM can be guaranteed for only 3000 cycles, instead of the standard 10,000 cycles.

PACKAGING

The following information applies only to the 68HC705C5FS and/or 68HC705C5CFS packages.

The 44-lead CERQUAD package cannot be guaranteed for 4-mil coplanarity of the leads since the leads are formed before assembly.

NOTE

The 44-lead CERQUAD package is not qualified and should be used for prototype development only.

Motorola has experienced some mechanical problems with these packages. The leads bend very easily. This package does not insert perfectly into a standard JEDEC 44-lead PLCC socket.

Motorola reserves the right to make changes without further notice to any products herein. Motorola makes no warranty, representation or guarantee regarding the suitability of its products for any particular purpose, nor does Motorola assume any liability arising out of the application or use of any product or circuit, and specifically disclaims any and all liability, including without limitation consequential or incidental damages. "Typical" parameters which may be provided in Motorola data sheets and/or specifications can and do vary in different applications and actual performance may vary over time. All operating parameters, including "Typicals" must be validated for each customer application by customer's technical experts. Motorola does not convey any license under its patent rights nor the rights of others. Motorola products are not designed, intended, or authorized for use as components in systems intended for surgical implant into the body, or other applications intended to support or sustain life, or for any other application in which the failure of the Motorola product could create a situation where personal injury or death may occur. Should Buyer purchase or use Motorola products for any such unintended or unauthorized application, Buyer shall indemnify and hold Motorola and its officers, employees, subsidiaries, affiliates, and distributors harmless against all claims, costs, damages, and expenses, and reasonable attorney fees arising out of, directly or indirectly, any claim of personal injury or death associated with such unintended or unauthorized use, even if such claim alleges that Motorola was negligent regarding the design or manufacture of the part. Motorola and  are registered trademarks of Motorola, Inc. Motorola, Inc. is an Equal Opportunity/Affirmative Action Employer.

Additional mask set erratas can be found on the World Wide Web at <http://Design-NET.com/csic/TECHSPRT/TechSprr.htm>.



MOTOROLA

68HC705C5MSE1