

Mask Set Errata 2

68HC705C5 8-Bit Microcontroller Unit

INTRODUCTION

This errata provides information pertaining to the latch-up immunity and packaging applicable to the following 68HC705C5 MCU mask set devices.

- E40A

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., E40A). Slight variations to the mask set identification code may result in an optional numerical digit preceding the standard four-character code (e.g., 0E40A).

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.



LATCH-UP IMMUNITY

Pins PA2, PA6, and PA7 are guaranteed only to withstand a negative-biased current of 80 mA before causing latch-up. Pins PA0 and PB0 are guaranteed only to withstand a negative-biased current of 60 mA before causing latch-up.

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.

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