Mask Set Errata 3

68HC08AS32 8-Bit Microcontroller Unit

INTRODUCTION

This mask set errata provides information pertaining to the electrical specifications and electro-static discharge capability applicable to this 68HC08AS32 MCU mask set device:

- 0J27F

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 0J27F. Slight variations to the mask set identification code may result in an altered version number, for example 1J27F.

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. For instance, the date code “9115” indicates 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 that the 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.

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ELECTRICAL SPECIFICATIONS

The maximum stop I_{DD} specifications are listed below:

Stop I_{DD}, LVI Enabled	**Max Spec**	**Unit**
25° C	400	µA
–40° to 105° C	500	µA
Stop I_{DD}, LVI Disabled		
25° C	5	µA
–40° to 105° C	50	µA

The current 68HC08AS32 stop I_{DD} measurements are higher than the maximum specified and are listed below:

Stop I_{DD}, LVI Enabled	**Max Spec**	**Unit**
25° C	500	µA
–40° to 105° C	800	µA
Stop I_{DD}, LVI Disabled		
25° C	300	µA
–40° to 105° C	600	µA

ELECTRO-STATIC DISCHARGE

The 68HC08AS32 fails the human body model test above 1.5 kV and the machine model test above 150 V.

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