

Mask Set Errata 1

68HC908RK2 8-Bit Microcontroller Unit

INTRODUCTION

This mask set errata provides information pertaining to the low-voltage inhibit applicable to this 68HC908RK2 MCU mask set device:

- 1K00J

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 1K00J. Slight variations to the mask set identification code may result in an altered version number, for example 2K00J.

MCU DEVICE DATE CODES

Device markings indicate the week of manufacture and the mask set used. The date 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 "0022" indicates the 22nd week of the year 2000.

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.

When 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.




LOW-VOLTAGE INHIBIT

The low-voltage inhibit (LVI) trip points, low-voltage reset (LVR) and low-voltage detection (LVD), have broader voltage spreads than expected, resulting in a loss of yield. To supply parts, Motorola has relaxed the LVI limits as follows:

	Min	Max
LVR	1.76 V	2.00 V
LVD	1.90 V	2.15 V

The LVD's limits are designed to be higher than those of the LVR. LVR and LVD voltages are taken as a ratio from the same resistor array, and both are compared against the same V_{BREF} (bandgap reference). Then, by nature, LVD has higher values than the LVR.

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://mcu.motsps.com/documentation>

