

Mask Set Errata

MSE908GP32_3J20X
12/2002

Mask Set Errata for 908GP32,
Mask 3J20X



Introduction

This mask set errata applies to this 908GP32 MCU mask set:

- 3J20X

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 3J20X. All standard devices are marked with a mask set number and a date code.

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 "0201" indicates the first week of the year 2002.

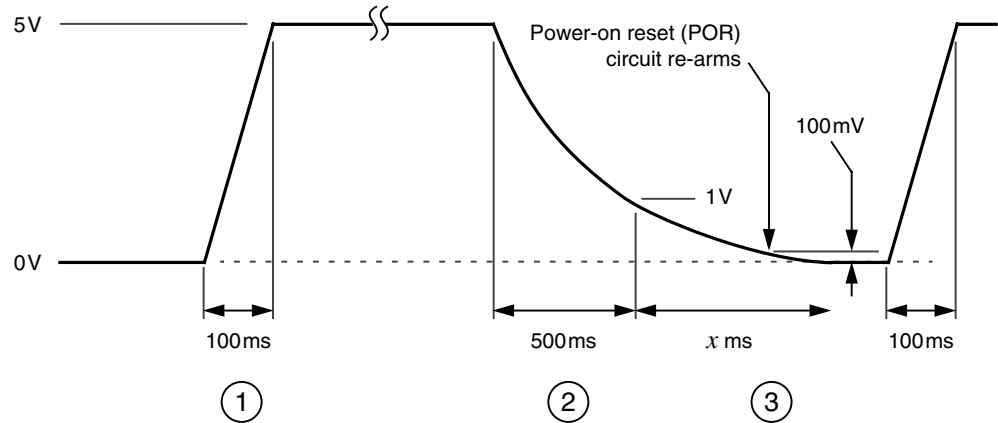
MCU Device Part Number Prefixes

Some MCU samples and devices are marked with an SC, PC, or XC prefix. An SC prefix denotes special/custom device. A PC prefix indicates a prototype device which has undergone basic testing only. 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 or SC prefix.

Power-Up and Power-Down Requirements

SE22-POWER-UP_POWER-DOWN

The precautions described below must be followed for 68HC908GP32 power-up and power-down, otherwise unpredictable device behavior may occur. In severe cases, the 68HC908GP32 may experience FLASH memory erasure.



1. At power-up, supply voltage rise-time should be as short as possible; less than 143ms for 5V operation; best to aim for less than 100ms.
2. At power-down, supply voltage should fall below 1V in less than 500ms.
3. Before power-up again, supply voltage must fall below 100mV for the 68HC908GP32 power-on reset circuit to rearm.

In addition, keep the external reset pin (\overline{RST}) pulled low at least until supply voltage has reached its operating level.



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