Silicon Mask (m31k) Errata:

MC10XS3412, MC15XS3400, MC35XS3400 & MC10XS3435

Introduction

This errata sheet applies to all part numbers for the MC10XS3412, MC15XS3400, MC35XS3400, MC10XS3435 device families - Quad High Side Switch.

Device Revision Identification

The device revision is indicated by the second marking line. All standard devices are marked with a device identification and build information code.

Device Build Information / Date Code

Device markings indicate build information containing the week and year of manufacture. The date is coded with the last four characters of the nine character build information code (e.g. "CTKAH0429"). The date is coded as four numerical digits where the first two digits indicate the year and the last two digits indicate the week. For instance, the date code "0429" indicates the 29th week of the year 2004.

Device Part Number Prefixes

Some device samples are marked with a PC prefix. A PC prefix indicates a prototype device which has undergone basic testing only. After full characterization and qualification, devices will be marked with the PC prefix.

Behavioral Disconnects

FSB Reporting in case of Under-voltage Fault

The FSB pin follows the battery voltage. This pin will go to logic [0] when $V_{PWR} \leq V_{PWR(UV)}$ and will come back to logic [1] when $V_{PWR} > V_{PWR(UV)\_UP}$.

Output Shutdown Delay Time at Low Battery Voltage

Below 4.0 V typ of V_{PWR}, the output shutdown delay time is not garanteed. The N-channel MOSFSET could drain current during few 10 µs.

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Japan:
Freescale Semiconductor Japan Ltd.
Headquarters
ARCO Tower 15F
1-8-1, Shimo-Meguro, Meguro-ku,
Tokyo 153-0064
Japan
0120 191014 or +81 3 5437 9125
support.japan@freescale.com

Asia/Pacific:
Freescale Semiconductor China Ltd.
Exchange Building 23F
No. 118 Jianguo Road
Chaoyang District
Beijing 100022
China
+86 10 5879 8000
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