SIEMENS

Microcomputer Components
Technical Support Group Munich
HL MCB AT1

Errata Sheet

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Device : SAB 80C515A

Marking : LA

These parts of the SAB 80C515A can be identified by the letters "LA" below the part number. The parts are mounted in a Plastic Leaded Chip Carrier (P-LCC-68) or in a Plastic Metric Quad Flat Pack (P-MQFP-80-2) package.

This errata sheet describes both the *functional problems* (see part 1) and the *deviations from the electrical and timing specifications* (see part 2) known in this step.

If a problem was already introduced with an errata sheet of an earlier step, its initial number is still retained in this errata sheet. Thus, the numerical order of the problems described in the following may contain gaps.

At the end of this document, you will find two history tables showing the problems found in the SAB 80C515A up to now. Changes to the last revision are shaded light grey in the history tables.

1) Functional Problems

The following malfunctions are known in this step:

No Problems known

2) Electrical- and Timing-Spec. Deviations

The following deviations of electrical and timing parameters from the specification are known in this step:

Problem 1: f_{OSC}, Minimum Limit Value

The minimum oscillator frequency is restricted to 2.5 MHz (2.5 MHz ≤ f_{OSC} ≤ 18 MHz).

Note:

When using an external oscillator circuit with 1MHz ≤ f_{OSC} ≤ 2.5 MHz, the internal ocillator watchdog (always enabled) might initiate an internal reset.

Problem 2: ADC-Total Unadjusted Error TUE

The total unadjusted error (TUE) of ± 2 LSB in the A/D Converter Characteristics is not met. The total unadjusted error is defined to TUE = ± 3 LSB in this step.

Functional Problem No.	Marking	Description	Remarks

Table 1: History of Functional Problems

Electrical- / Timing- Problem No.	Marking		Remarks
1	ES-LA, LA	f_{OSC}, Minimum Limit Value	
2	ES-LA, LA	ADC - Total Unadjusted Error TUE	

Table 2: History of Electrical- and Timing-Spec. Deviations