
RE46C194 Silicon Errata and Data Sheet Clarifications

The functionality of the RE46C194 device is described in the “*RE46C194 Data Sheet*” (DS20006214B), except for the anomalies mentioned below. The issues described in this document will be addressed in a future revision of the “*RE46C194 Data Sheet*”.

1. Module: LTD Operations

The normal alarm limit maximum value can cause an error when calculating new alarm limits.

Work around:

Disable the RE46C194 LTD function by setting the LTD Enable Control bit (bit 50) to zero.

Date Codes that pertain to this issue:

Date codes prior to 2232 have this issue.

2. Module: Smart IO Operations

With Smart IO function enabled and continuous horn pattern selected, the alarm for low battery does not work and the Hush and RLED timings are effected (reduced).

Work around:

Disable continuous horn pattern by setting the horn pattern bit (bit52) to 1 - temporal horn pattern.

Date Codes that peratin to this issue:

Date codes prior to 2232 have this issue.

Data Sheet Clarifications

In the “*RE46C194 Data Sheet*” (DS20006214B), the following clarifications and corrections should be noted:

The reduced operating temperature range is
 $T_A = 0^{\circ}\text{C}$ to $+60^{\circ}\text{C}$.

Date Codes that pertain to this issue:

Date codes prior to 2232 have this issue.

RE46C194

APPENDIX A: REVISION HISTORY

Rev. B Document (September 2022)

- Added correction to [Section 1. Module: “LTD Operations”](#);
- Added [Section 2. Module: “Smart IO Operations”](#);
- Added mention in [Data Sheet Clarifications](#).

Rev. A Document (January 2020)

- Initial release of this document.

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