



Product Change Notification - SYST-21HXDA508

Date:

22 Jan 2020

Product Category:

Others; Photoelectric Smoke Detector

Affected CPNs:



Notification subject:

ERRATA - RE46C194 Silicon Errata and Data Sheet Clarifications

Notification text:

SYST-21HXDA508

Microchip has released a new Product Documents for the RE46C194 Silicon Errata and Data Sheet Clarifications of devices. If you are using one of these devices please read the document located at [RE46C194 Silicon Errata and Data Sheet Clarifications](#).

Notification Status: Final

Description of Change: Initial Release of this document.

Impacts to Data Sheet: None

Reason for Change: To Improve Productivity

Change Implementation Status: Complete

Date Document Changes Effective: 22 Jan 2020

NOTE: Please be advised that this is a change to the document only the product has not been changed.

Markings to Distinguish Revised from Unrevised Devices: N/A

Attachment(s):

[RE46C194 Silicon Errata and Data Sheet Clarifications](#)

Please contact your local [Microchip sales office](#) with questions or concerns regarding this notification.

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Affected Catalog Part Numbers (CPN)

RE46C194S16

RE46C194S16T

RE46C194 Silicon Errata and Data Sheet Clarifications

The functionality of the RE46C194 device is described in the “*RE46C194 Data Sheet*” (DS20006214A), 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:

Currently all production devices have this issue. Contact the Microchip Regional Sales Office for the fixed version.

Data Sheet Clarifications:

In the “*RE46C194 Data Sheet*” (DS20006214A), the following clarifications and corrections should be noted:

None to report at this time.

RE46C194

APPENDIX A: REVISION HISTORY

Rev. A Document (January 2020)

- Initial Release of this document.

Note the following details of the code protection feature on Microchip devices:

- Microchip products meet the specification contained in their particular Microchip Data Sheet.
- Microchip believes that its family of products is one of the most secure families of its kind on the market today, when used in the intended manner and under normal conditions.
- There are dishonest and possibly illegal methods used to breach the code protection feature. All of these methods, to our knowledge, require using the Microchip products in a manner outside the operating specifications contained in Microchip's Data Sheets. Most likely, the person doing so is engaged in theft of intellectual property.
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