



Product Change Notification: SYST-02HMHW119

Date:

03-Jul-2025

Product Category:

Photoelectric/Ionization Smoke Detector

Notification Subject:

Data Sheet - RE46C400/1 - Photoelectric Smoke Detector MCU Companion IC with CO Sensing for Panel-Based Detectors

Affected CPNs:

[SYST-02HMHW119_Affected_CPN_07032025.pdf](#)
[SYST-02HMHW119_Affected_CPN_07032025.csv](#)

Notification Text:

SYST-02HMHW119

Microchip has released a new Datasheet for the RE46C400/1 - Photoelectric Smoke Detector MCU Companion IC with CO Sensing for Panel-Based Detectors of devices. If you are using one of these devices please read the document located at [RE46C400/1 - Photoelectric Smoke Detector MCU Companion IC with CO Sensing for Panel-Based Detectors](#).

Notification Status: Final

Description of Change:

Updated the Section 4.0 “Packaging Information”. Register 4 bit 1 was renamed to BGstartup to better reflect its operation. This was previously named RegSel. Section 2.2 “Photoelectric Sensor Circuit” was updated to better explain photo integration operation. Section 2.7 “System Power” and Section 2.13 “Critical SPI Register Bits” was updated to clarify the Register 4 bit 1 name change and its operation. Updated Table 3-1.

Impacts to Data Sheet: See above details

Reason for Change: To improve productivity

Change Implementation Status: Complete

Date Document Changes Effective: 03 Jul 2025

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

Attachments:

RE46C400/1 - Photoelectric Smoke Detector MCU Companion IC with CO Sensing for Panel-Based Detectors

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

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