

## Product Change Notice (PCN)

**Subject:** Changed to C8051F413-GM (SiLab MCU)

**Publication Date:** 8/22/2022

**Effective Date:** To be advised in the subsequent PCN revision

### Revision Description:

Initial Release

### Description of Change:

This is an advance notification to advise our customers that Renesas is changing from C8051F413-GM (SiLab MCU) to BH66F5242 20QFN (Holtek MCU) as a result of SiLab end of life.

All current version with C8051F413-GM will not have an assembly date code past August 31<sup>st</sup>, 2022. No mixed versions will be shipped to customers per order.

The internal qualification is in progress and it is expected to complete by end of October. A revision to this PCN will be made upon qualification completion with qualification results.

Descriptions	Existing SiLab MCU	New Holtek MCU
Resolution	12bit ADC	24bit ADC
Supply voltage	2.0 to 5.25V	2.2 to 5.5V
Operating temperature	-55 °C to 125 °C	-40 °C to 85 °C
Output	Analog & I2C	

**Affected Product List:** FS2012-1020-NG / FS2012-1021-NG / FS2012-1100-NG.

### Reason for Change:

SiLab MCU is no longer available for purchase.

### Impact on Fit, Form, Function, Quality & Reliability:

The change is expect will have no impact on the form, fit, function, quality, reliability and environmental compliance of the products.

### Product Identification:

New version will have marked date codes after September 1<sup>st</sup>, 2022.

**Qualification Status:** In progress. Expected completion end October

**Sample Availability Date:** 11/15/2022

**Device Material Declaration:** Not applicable

**Note:**

1. Acknowledgement must be received by Renesas within 30 days or Renesas will consider the change as approved.
2. If timely acknowledgement is provided by Customer, then Customer shall have 90 days from the date of receipt of this PCN to make any objections to this PCN. If Customer fails to make objections to this PCN within 90 days of the receipt of the PCN then Renesas will consider the PCN changes as approved.
3. If customer cannot accept the PCN then customer must provide Renesas with a last time buy demand and purchase order.

For additional information regarding this notice, please contact <a href="mailto:idt-pcn@lm.renesas.com">idt-pcn@lm.renesas.com</a>
---