





# Hangzhou Tuya Information Technology Co., Ltd

## Changes of Silicon MG13 in Tuya Zigbee cloud modules

PCN No.	PCN-002-20200618	Proposal Date of Change	2020/4/25
Product Model	TYZS3, TYZS3-NS, TYZS3-IPEX, TYZS5, TYZS5-IPEX, TYZS6, TYZS7, TYZS8, TYZS13, TYZS10, TYZS11, TYZS12, TYZS1L, TYZS9V, TYZS15S, and TYZS15	Effective Date of Change	2020/6/18
Date of First Shipment	2020/7/30		
Customer Approval	<input type="checkbox"/> Approval required <input checked="" type="checkbox"/> Only notification, no approval required		
Change Level	<input type="checkbox"/> Major <input checked="" type="checkbox"/> Minor		

Reason for Change	
Item	Reason for change
MG13	Rev D fixes errata in Rev C and re-introduces the PLFRCO feature for Bluetooth low energy customers.

Change Content	
Before change	After change
Part number: 1.17.13.00568 EFR32MG13P732F512GM48-C 1.17.13.00575 EFR32MG13P732F512IM48-C 1.17.13.00584 EFR32MG13P732F512IM32-C	Part number: 1.15.10.00111 EFR32MG13P732F512GM48-D 1.15.10.00110 EFR32MG13P732F512IM48-D 1.15.10.00109 EFR32MG13P732F512IM32-D
Marking: 	Marking: 

**Impact of Change**

- The products before and after the change can be distinguished by chip body marking. See "Before and After the Change".
- The products before and after change have the identical device name.
- Rev D re-introduces the Precision Low Frequency RC Oscillator (PLFRCO). As an on-chip oscillator, PLFRCO can work without an external 32 kHz crystal which is typically required by Bluetooth low energy devices. The change has no effect on Zigbee product quality, cost, delivery, and performance.
- Switching time for Rev D:  
 It is expected to switch 1.17.13.00568 (Rev C) to 1.15.10.00111 (Rev D) on October 1, 2020.  
 It is expected to switch 1.17.13.00575 (Rev C) to 1.15.10.00110 (Rev D) on December 31, 2020.  
 It is expected to switch 1.17.13.00584 (Rev C) to 1.15.10.00109 (Rev D) on August 1, 2020.

**Deal with Products Before/After Change**

The product is not changed, so there is no need to deal with in a different nanner.

**Report(s) Attached**

Related ECN No.: 202006090230

Reliability Report or Plan: Rev D Hardware Test Report, Rev D Chip I/O Test, and Rev D Embedded Test Report

Function Test Report: NA

RoHS/Reach Test Report: Espressif Chip RoHS 2.0 Compliance Declaration, REACH Compliance Declaration for Espressif Chips & Modules.

Other Reports (Pls specify): NA

### Customer Response Requirements

Customers give feedback on the Tuya PCN according to the following requirements:

**Major Change**

- Customers should confirm receipt of the PCN within 30 days from the issuing date of the PCN.
- If customers do not confirm receipt of the PCN within 30 days, it is deemed that the customers have accepted the change.
- If customers confirm receipt of the PCN and do not give any feedback within 90 days, it is deemed that the customers have accepted the change.

**Minor Change**

- If customers do not confirm receipt of the PCN within 14 days, it is deemed that the customers have accepted the change.

Please give your feedback to DCC@tuya.com.