



Product / Process Change Notification (PCN)

- Major change
 Minor change

PCN #: PCN_FrqXTAL_20230616
Affected Series: WE-XTAL; 830003000, 830016178
PCN Date: March 16, 2023
Effective Date: June 16, 2023

- Change Category:**
- Equipment / Location
 - General Data
 - Material
 - Process
 - Product Design
 - Shipping / Packaging
 - Supplier
 - Software

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- Data Sheet Change:**
- Yes No
- Attachment:**
- Yes No

Description and purpose of change:

To increase the production capability, Würth Elektronik will implement an additional production line. To ensure availability, additional raw materials will be approved in the course of the release of the new production line. Due to different toolings, there will be a visual difference between the parts from the established production lines compared to the parts from the new production line. All products with date code 2022-11-14 or later, will be affected by this change. There will be no change in fit, function, quality or reliability of the product.

Detail of Change:

The production lines can be identified by the first three digits of the lot number: **XXX**XXXXXXXXXXXX

Lot number of already established production line:	Lot number of additional production line:
Lot number: 454 XXX XXX XXX XXX Country of Origin: China	Lot number: 455 XXX XXX XXX XXX Country of Origin: China
Lot number: 467 XXX XXX XXX XXX Country of Origin: Malaysia	

Details on the additional released raw materials can be found in the attached full material declarations. Due to different injection-molding tools, there will be a visual difference in the shape between the parts from the established production lines compared to the parts from the new production line. All parts meet the mechanical specification and fit to the solder pad layout from the datasheet. There will be no change to the electrical specifications.

Furthermore, the additional production line will have another marking style. The marking of the individual part will depend on the production line.



Additional production line

Established production lines

New production line



Established production lines



Marking of production line 454:	Marking of production line 467:	Marking of production line 455:
Marking: 1. Line: C2KNRYM C2K = Frequency (32.768 kHz) NR = Internal Code YM = Date code (Year / Month*) *: A = January, B = February, ..., J = September, ..., M = December (I is not used) Example: C2KNROH: 32.768 kHz; Internal Code; Year 2020, Month: August	Marking: 1. Line: 32.768K 2. Line: YYWWTH12 32.768K = Frequency (32.768 kHz) YYWW = Date code (Year / Week) TH = Internal Code 12 = Load Capacitance (12 pF) Example: 32.768K: Frequency 32.768 kHz 2245TH12: Year 2022; Week 45; Internal Code, Load Capacitance 12 pF	Marking: 1. Line: XXXX XXXX = Internal Traceability Code Example: nwy2 (Internal Code)

Reliability / Qualification Summary:

Product approval is according to the specification criteria and is internally released by the Product Management Department.

The following items are part of the internal release process:

- Visual Appearance
- Mechanical Parameters (according to the specifications in the Datasheet)
- Electrical Parameters (according to the specifications in the Datasheet)
- Approval of production line

The details about the performed tests can be found in the Reliability overview to customer attached to this PCN.