



## Product / Process Change Notification (PCN)

- Major Change  
 Minor Change

**PCN Number:** PCN\_SwTATU\_SwTATV\_20250305

**Affected Series:** WS-TATU, WS-TATV

**Affected Part Number:** see table below

**PCN Date:** 2024-12-05 (YYYY-MM-DD)

**Effective Date:** 2025-03-05 (YYYY-MM-DD)

**Change Category:**

- Equipment/Location  
 General Data  
 Material  
 Process  
 Product Design  
 Shipping/Packaging  
 Supplier  
 Software

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**Datasheet Change:**

- Yes  No

**Attachment:**

- Yes  No

**DESCRIPTION OF CHANGE:**

In order to enhance the product reliability, Würth Elektronik eiSos makes the design change of the inner structure & adding polyimide tape.

There will be no change in function, quality or reliability of the product.

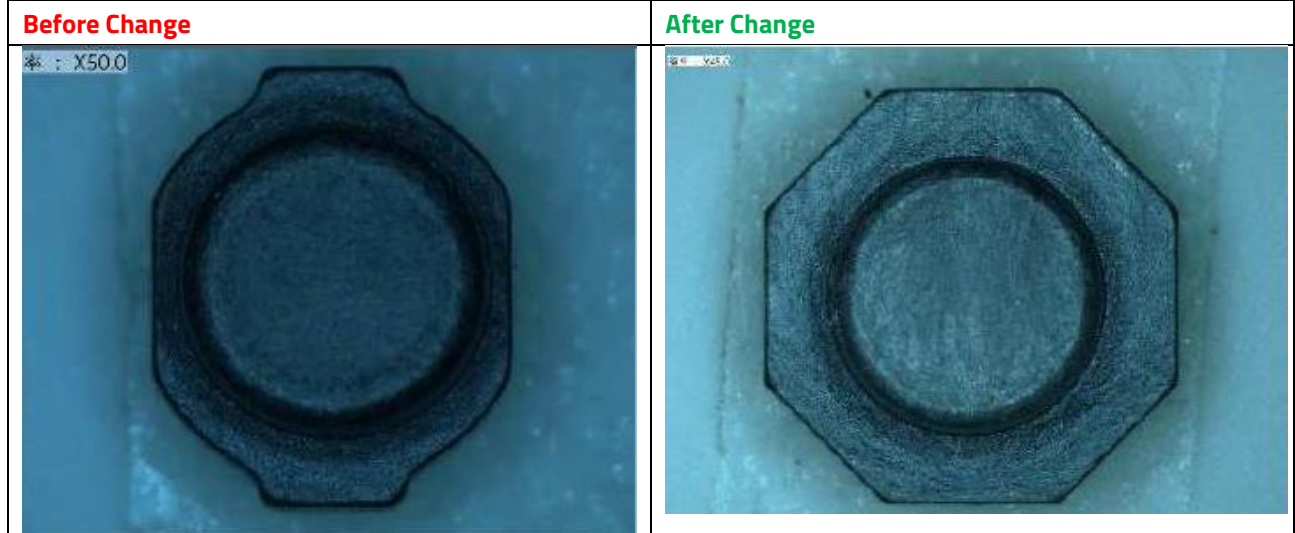
The new revision of the affected order codes will be sent out after the previous revision is out of stock (according to FIFO - first-in, first-out).

**Affected part numbers:**

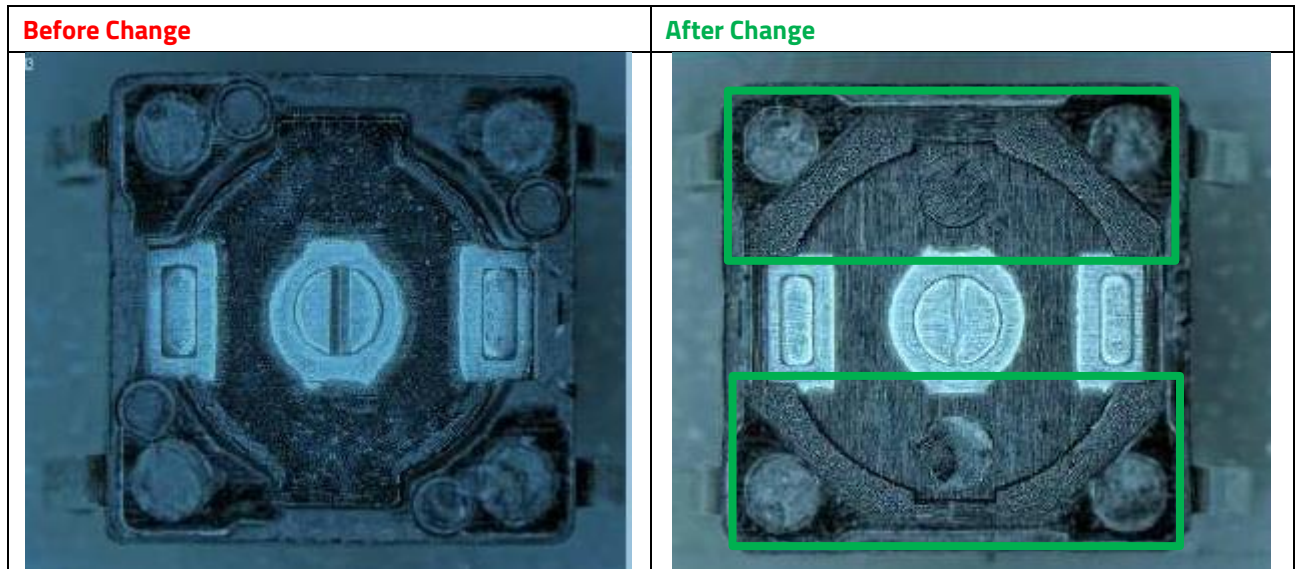
430156050736	430186043716	430156043726	430156043736	430186050716
430156050726	431256083736	431256083726	431256083716	431256058736
431256058726	431256058716	431256038736	431256038726	431256038716
431256031736	431256031726	430186095716	430156070736	430156070726
431256031716	430156095736	430156095726	430186070716	430156130726
430156130736	430186130716			

**DETAILS OF CHANGE:**

1. Actuator shape change:

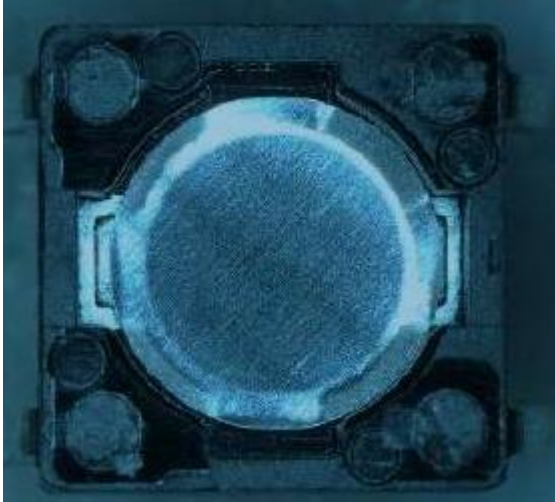


2. Inner base shape change:



3. Add the Polyimide tape:

**Before Change**



**After Change**





**RELIABILITY / QUALIFICATION OF CHANGE:**

An additional reliability testing was performed and approved.  
 Additional details of the tests can be found in the table below:

Test Item	Sample Size	Reference	Test Conditions	Acceptance
Moisture Resistance	180	MIL-STD-202 Method 106	24hrs@50 °C dry heat (humidity uncontrolled) Condition: Temperature: Cycled 25 °C to 65 °C Humidity: 80%- 100% RH; Time/Cycle = 24 h Testing duration: 10 cycles Unpowered.	Approved
Thermal Shock	180	MIL-STD-202 Method 107	Temperature & time: minimum operating temperature, 30 minutes 85 °C +10 °C /-0 °C*, 30 minutes Transfer time: max. 20 s Number of cycles: 500	Approved
Operating Life	180	IEC61020-2009	Test Speed and condition: 120 times per minute or other specified speed (with full load) Force: for tact switches, > 500 gf and <1 kg. Or other specified force. Except WS-TATU. Number of times: Lifetimes in specification	Approved
Three Time Wave Soldering	180	Internal	Profile: according to EN61760-1:2006 Peak temperature: 250~260 °C double wave Dwell time: max. 10 seconds, max. 5 seconds each wave. Measurement: All values before and after each duration.	Approved