

Würth Elektronik eiSos GmbH &amp; Co. KG

EMC &amp; Inductive Solutions

Max-Eyth-Straße 1 · 74638 Waldenburg · Germany

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## Product / Process Change Notification (PCN)

- Major change  
 Minor change

**PCN #:** PCN\_WCAP-AS5H\_20220421

**Affected Series:** WCAP-AS5H

**PCN Date:** January 21, 2022

**Effective Date:** April 21, 2022

### Change Category:

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

**Contact:** Product Management

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### Data Sheet Change:

Yes  No

### Attachment:

Yes  No

### DESCRIPTION AND PURPOSE OF CHANGE:

Because of a database mismatch, Würth Elektronik will update all datasheets for the Matchcode WCAP-AS5H.

The component Marking will be changed to the current state of art.

### DETAIL OF CHANGE:

#### Datasheet Update

Würth Elektronik will update the datasheet layout in general for all WCAP-AS5H datasheets. Furthermore with this layout update Würth Elektronik will correct the electrical and mechanical characteristics. All corrections in terms of electrical characteristics are shown below. They will also be clearly visible in the new datasheets which Würth Elektronik will provide on the website shortly.

(This is a datasheet correction only. There will be no change in form, fit, function, quality or reliability of the product.)

- All corrections in terms of mechanical characteristics are shown. In order to visualize the corrections of the dimensions example of the old and the new drawings is shown below. Würth Elektronik will update the dimensioning from an indirect dimensioning to a direct dimensioning:

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**A Dimensions: [mm]**

**B Recommended hole pattern: [mm]**

**C Schematic:**

L max.	14.0		
D ±0.5	12.5		
A ±0.2	13.5		
B ±0.2	13.5		
C max.	0.15	pl	4.3
W ±0.2	0.35	fl	5.8
P ±0.2	4.5	fw	2.5

Projection

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1.0	2019-04-28	KAG	PSL
REV	DATE	BY	CHECKED

**Example for drawings with indirect dimensioning**

**Dimensions: [mm]**

**Recommended Land Pattern: [mm]**

Scale - 2:1

**Schematic:**

Scale - 2:1

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**Example for new drawings with direct dimensioning**

In the course of the update from indirect to direct dimensioning the values for the dimensions and tolerances will be updated. The upcoming corrections can be seen more detailed in the pictures above.



- Würth Elektronik will update the **Tolerance of the Pin Width** for the following part number:

Part Number	New value
865230257007	$\pm 0.2 \text{ mm}$

- Würth Elektronik will update the Specification of the **Test Conditions** to " $0.25 \text{ V} / 100 \text{ kHz} / +20 \text{ }^\circ\text{C}$ " for the following part numbers and properties:

Part Number	Property
865231757001	IMPEDANCE
865230862001	IMPEDANCE
865230445009	ESR
865230657014	IMPEDANCE
865230645016	ESR
S865230645016	ESR
865230564010	IMPEDANCE
865230653017	IMPEDANCE
865230664018	IMPEDANCE
865230557011	IMPEDANCE
865230364011	IMPEDANCE
865230364011	ESR

- Würth Elektronik will update the Specification of the **Operating Temperature** to " $-40 \text{ up to } +105\text{ }^\circ\text{C}$ " for the following part numbers:

865231757001	865230862001	S865230557007	865230669015	865230564009
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- Würth Elektronik will update the **Technical Reference** for the following part numbers:

Part Number	Technical Reference
865231757001	ASDF105470M080DVCTEG000
865230862001	ASDH140470M100DVCTGG000
S865230557007	ASDF105221M035DVCTEH000
865230364011	ASED058221M016DVCTBB000
865230669015	ASDH160471M050DVCTJG000
865230564009	ASDD061220M035DVCTBE0ER

- Würth Elektronik will update the **Leakage Current** value for the following part number:

Part Number	New value
865230664018	11 $\mu\text{A}$

- Würth Elektronik will update the **Storage Conditions** value for the following part number:

Part Number	New value
865230564010	5 $^\circ\text{C}$ up to + 35 $^\circ\text{C}$ ; 10 % up to 75 % RH

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- Würth Elektronik will update the display of the **Packaging Specification** for all parts of WCAP-AS5H in the datasheets. For details please refer to the new datasheets. Due to a data mismatch Würth Elektronik will update the dimensions of former “C” and tolerance of former “W” for the entire matchcode.
- Würth Elektronik will update the general Cautions and Warnings. Please refer to datasheet for detail.

## Product Marking

Due to internal standardization the printing of the match code WCAP-AS5H will be updated. Products after applied change with effective date of week 37 from 2020 can be shipped with new printing.

The product marking will change in the following points:

- The first line remains the same. It shows capacitance.
- The second line will now show the match code and the datecode(YWW).
- The third line will show the rated voltage.



*Example of new Marking*

### RELIABILITY / QUALIFICATION SUMMARY:

There will be no change of the product, therefore, no additional reliability or qualification testing will be performed.