



Product / Process Change Notification (PCN)

- ☒ Major Change
☐ Minor Change

PCN Number: PCN_IndMAPI_20241030

Affected Series: WE-MAPI Size 2512

Affected Order Codes: see table below

PCN Date: 2024-07-30 (YYYY-MM-DD)

Effective Date: 2024-10-30 (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:

To increase the production capability, Würth Elektronik eiSos will release an additional core material supplier for the order codes mentioned below.

There will be no change in form, fit, 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 order codes:

744383240047	744383240056	744383240068	74438324010	74438324012
74438324015	74438324022	74438324033	74438324047	74438324056
74438324068	74438324082	74438324100		



Details of Change:

The material of the new supplier is equivalent to the material of the existing supplier. Therefore the electrical properties, as also the mechanical dimensions in the specification don't change.

The deviation of the electrical properties before and after change are within a typical production tolerance.

	Already established core material supplier	Additional core material supplier
Lot number	632 xx xxx xxxx 000	632 xx xxx xxxx 003

Reliability / Qualification of Change:

An additional reliability testing was performed and approved.

Qualification according to AEC-Q200 table 05.

Additional details of the tests can be found in the table below:

Test Item	Sample Size	Reference	Test Conditions	Acceptance
Temperature Cycling	77	JESD22 Method JA-104	1000 cycles, from -40 °C (dwell time: 30 min) to 125 °C (dwell time: 30 min). Maximum transfer time: 1 min.	Approved
Vibration	30	MIL-STD-202-204	10 g's for 20 min, 12 cycles each of 3 orientations. Test from 15 Hz to 2000 Hz.	Approved
Operational Life	77	MIL-PRF-27	85 °C = 125 °C – 40 K, 1000h, rated current from the datasheet	Approved
External Visual	All	MIL-STD-883-2009	N/A	Approved
Board Flex	30	AEC-Q200-005	Bending 2 mm (Min), 60 (+5) sec	Approved
Low Temperature Storage Life	77	JESD22-A119	-40 °C, 1000 h	Approved