



Product/Process Change Notice (PCN)

- ☒ Major Change
☐ Minor Change

PCN Number: PCN_IndCNSW_20250620

Affected Series: WE-CNSW

Affected Part Number: 744232090, 744232161, 744232261, 744232601,
 744232102, 744232222, 744232101

PCN Date: 2025-03-20 (YYYY-MM-DD)

Effective Date: 2025-06-20 (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 implement an additional production line. There will be no change in form, fit, function, quality or reliability of the product. The new revision of the affected part numbers will be sent out after the previous revision is out of stock (according to FIFO - first-in, first-out).

DETAILS OF CHANGE:

1. The production lines can be identified by the first three digits of the lot number.
2. Neither quality, electrical, nor mechanical properties will change. Therefore there will be also no datasheet change. All dimensions and standard packaging quantities will remain the same.

Before Change	After Change
Lot number beginning with 246xxxxxxxxxx Country of origin: China	Lot number beginning with 246xxxxxxxxxx Country of origin: China Lot number beginning with 576xxxxxxxxxx Country of origin: China

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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 below:

Acceptance Criteria	
# 1	No physical damage and electrical property (Z, L, Rdc) meets datasheet both premeasurement and postmeasurement
# 2	Inspect device construction, marking and workmanship. Electrical test not required.
# 3	Electrical test not required. Dimension meets datasheet.
# 4	Electrical test not required, at least 95% wetted area.
# 5	Push off sample from PCB and force needs to be recorded.

Test Item	Sample Size	Reference	Test Conditions	Acceptance Criteria
High Temperature Exposure	77	MIL-STD-202-108	125 °C, 500 h	# 1 Approved
Temperature Cycling	77	JESD22 -A-104	Preconditioning: Reflow 3 passes required -40 °C to 125 °C, dwell time: 15 min (minimum), Transfer time max. 1 min, 1000 cycles	# 1 Approved
Humidity Bias	77	MIL-STD-202-103	Preconditioning: Reflow 3 passes required 85 °C, 85% RH, 1000 h	# 1 Approved
High Temperature Operational Life	77	MIL-STD-202-108	Preconditioning: Reflow 3 passes required 85 °C, 1000 h, Rate current according to datasheet	# 1 Approved
External Visual	All	MIL-STD-883-2009	N/A	# 2 Approved
Physical Dimension	30	JESD22 Method JB-100	N/A	# 3 Approved
Mechanical Shock	30	MIL-STD-202-213	3 shocks in each direction (x, -x, y, -y, z, -z), peak value 100 g's, duration 6 ms, half-sine, velocity change 12.3 ft/sec.	# 1 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	# 1 Approved

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Test Item	Sample Size	Reference	Test Conditions		Acceptance Criteria
Resistance to Soldering Heat	30	J-STD-020	260 °C, tp= 30 s to 35 s, 5 times reflow		# 1 Approved
ESD	15	AEC-Q200-002 or ISO/DIS10605	Test Environment: 22 °C ± 5 °C, Humidity: 30% to 60%		# 1 Approved
			Product Type	Component Classification	
			1206	6	
Solderability (SMD)	15	J-STD-002	Condition B1	Preconditioning: Dry Bake 4 h ± 15 min @155 °C Dip and Look Test (Leadless) Solder Angle: 20 ° to 45 ° Solder temperature: 245 °C ± 5 °C Solder immersion time: 5 s	# 1 Approved
	15		Condition D	Preconditioning: Dry Bake 4 h ± 15 min @155 °C Resistance to Dissolution of Metallization Solder Angle: 20 ° to 45 ° Solder temperature: 260 °C ± 5 °C Solder immersion time: 30 s + 5 s / -0 s	# 4 Approved
Electrical Characterization	30	User Spec.	Measure electrical property @ 20 °C, 125 °C, -40 °C.		# 1 Approved
Board Flex	30	AEC-Q200-005	Bending 2 mm (minimum), 60 s to 65 s		# 1 Approved
Terminal Strength(SMD)	30	AEC-Q200-006	Product Type	Push Off Force (N)	# 5 Approved
			1206	10	
Low Temperature Storage Life	77	JESD22-A119	-40 °C, 1000 h		# 1 Approved