



Product / Process Change Notification (PCN)	
☒ Major change ☐ Minor change	
PCN #: PCN_WE-SECF_20231204 Affected Series: WE-SECF-Series PCN Date: September 04, 2023 Effective Date: December 04, 2023	Change Category: ☐ Equipment / Location ☒ General Data ☐ Material ☐ Process ☐ Product Design ☐ Shipping / Packaging ☒ Supplier ☐ Software
Contact: Product Management Phone: +49 (0) 7942 - 945 5001 Fax: +49 (0) 7942 - 945 5179 E-Mail: pcn.eisos@we-online.com	Data Sheet Change: ☒ Yes ☐ No Attachment: ☐ Yes ☒ No
Description and purpose of change: ▪ In order to increase the production capability Würth Elektronik will implement an additional production line of the whole WE-SECF series. ▪ Because of a database mismatch, Würth Elektronik will correct the SPQ value in the datasheet from the WE-SECF 331161702513. This is a datasheet correction only. All products with date code 2023-12-04 or later, will be affected by this change. There will be no change in form, fit, function, quality or reliability of the product.	
Detail of Change: The first three digits of the lot number can identify the production lines: XXX XXXXXXXXXXXXX. The production line of the WE-SECF can be identified as follows:	
Already established production line: Lot number: 339 XXX XXX XXX XXX Country of origin on Delivery Note: Taiwan	Additional production line: Lot number: 368 XXX XXX XXX XXX Country of origin on Delivery Note: China
Above: Complete WE-SECF-Series affected	
Neither quality, electrical nor mechanical properties of the parts will be changed. No datasheet change. All dimensions and standard packaging quantity will remain the same.	



Before change	After change
SPQ/ packaging unit pcs. 150	SPQ/ packaging unit pcs. 200
Above: Only Part Number 331161702513 affected	

Reliability / Qualification Summary:
The additional production line is released by the internal requirements of Product Management and Total Quality 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)

Please see the Reliability Overview as below. All Tests were passed.

No.	Test	Qty	Reference	Test conditions
1	High Temperature Exposure	77	MIL-STD-202-108	100°C, 1000h
2	Temperature Cycling	77	JESD22 method JA-104	-40°C(30min) ~ 100°C(30min), Transfer time max. 1min., 1000 cycles
3	Moisure Resistance	77	MIL-STD-202-106	65±2°C, 95%RH, Time/Cycle = 24h, 10cycles
4	External Visual	All	MIL-STD-883-2009	N/A
5	Physical Dimension	30	JESD22 Method JB-100	N/A
6	Mechanical Shock	30	MIL-STD-202-213	3 shocks in each direction(x, -x, y, -y, z, -z) , peak value 100g's, duration 6ms, half-sine, velocity change 12.3ft/sec.



7	Vibration	30	MIL-STD-202-204	10g's for 20min, 12cycles each of 3 orientations, test from15~2000HZ	
8	Resistant to Soldering Heat	30	MIL-STD-202-210 J-STD-020	Tp=250°C, tp=30~35s, 3 times reflow	
9	Solderability	30	J-STD-002	Steam Aging 8 hrs±15min @93°C, Tc=240~245°C, tp=20~30s	
10	Electrical Characterization	30	User Spec.	measure electrical property@ 20° C, 100°C,-40°C	
11	Board Flex	30	AEC-Q200-005	bending 2mm (Min), 60(+5) sec	
12	Terminal Strength(SMD)	30	AEC-Q200-006	Product Type	Push Off Force
				1613	17.7N
13	Salt Atmosphere	30	MIL-STD-202-101	Test condition B, temperature 35±3°C, Humidity 95-98%, PH:6.5-7.2, Testing Time: 48 h	
14	Cycling test	30	Internal	Number of cycles: 3000; Operating frequency: 30cycles/min. Compression: Maximum recommended compression in the datasheet	
15	Low Temperature Storage Life	77	JESD22-A119	-40°C, 1000h	