



Product/Process Change Notice (PCN)

- Major Change
 Minor Change

<p>PCN Number: PCN_FrqSPXO_20250221</p> <p>Affected Series: WE-SPXO</p> <p>Affected Part Number: See table below</p> <p>PCN Date: 2024-11-21</p> <p>Effective Date: 2025-02-21</p>	<p>Change Category:</p> <p><input type="checkbox"/> Equipment/Location</p> <p><input checked="" type="checkbox"/> General Data</p> <p><input type="checkbox"/> Material</p> <p><input type="checkbox"/> Process</p> <p><input type="checkbox"/> Product Design</p> <p><input type="checkbox"/> Shipping/Packaging</p> <p><input type="checkbox"/> Supplier</p> <p><input type="checkbox"/> Software</p>
<p>Contact: Product Management</p> <p>Phone: +49 (0) 7942 - 945 5001</p> <p>Fax: +49 (0) 7942 - 945 5179</p> <p>E-Mail: pcn.eisos@we-online.com</p>	<p>Datasheet Change:</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Attachment:</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>

DESCRIPTION OF CHANGE:

Because of a database mismatch, Würth Elektronik eiSos will correct the RoHs status (1), RoHS reflow temperature (2), standby current (3), packaging details (4), product dimensions (5), solder pad layout (6), IQD part number (7), duty cycle (8), environmental parameters (9), rise and fall time (10) and current draw (11) in the datasheet.

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

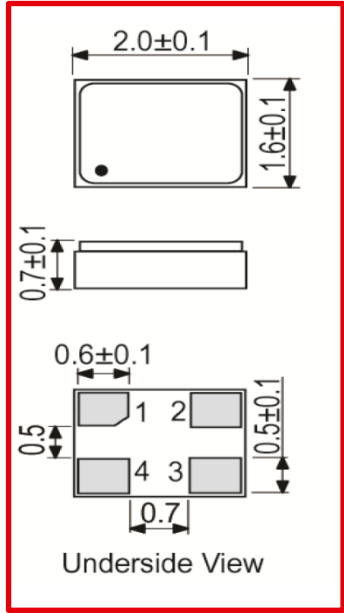
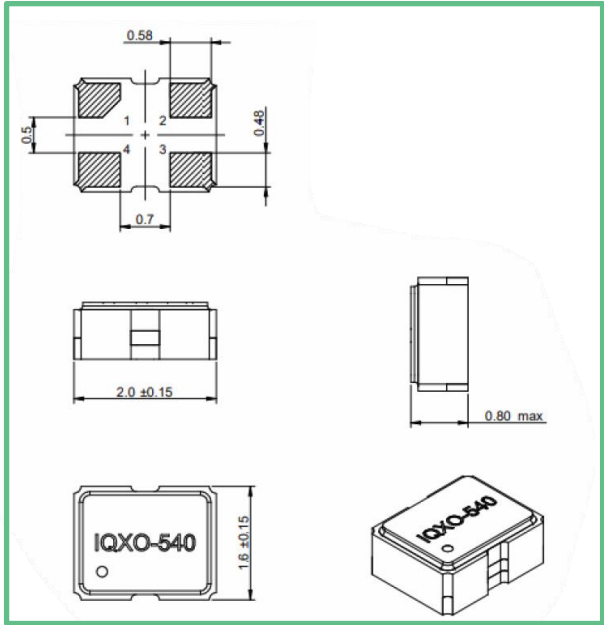
Affected Part Number:

831054046	831056237	831056238	831056239	831056240
831056241	831056242	831056243	831056244	831056245
831056246	831056247	831056248	831056249	831066629
831068242	831068248	831068250	830208214609	830208214709
830208214809	830208214909	830208215009	830208215109	830208215209
830208215309	830208215409	830208215509	830208215609	830208215809
830207182209				

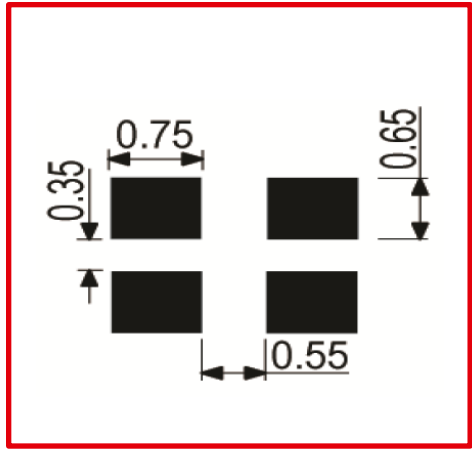
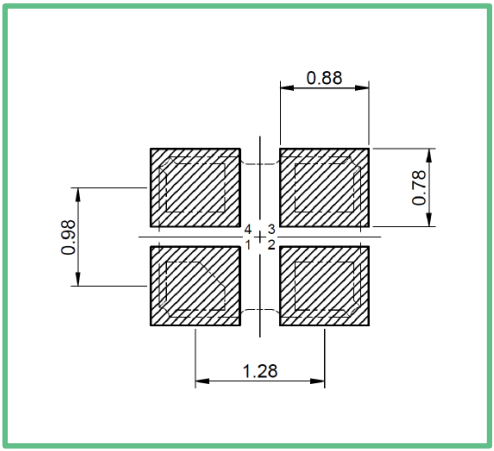


DETAILS OF CHANGE:			
1. Correction of the RoHS Status:			
	Before	After	
RoHS Status	Compliant (2011/65/EU)	Compliant (2015/863/EU)	
2. Correction of the RoHS Reflow temperature:			
	Before	After	
RoHS Reflow Temperature	250 °C 10 s max	260 °C max for 10 s max	
3. Correction of Standby Current:			
	Before	After	
Standby Current	10 µA max (pad 1 at logic '0')	10 µA max, 1.0 µA typ @25°C	
4. Correction of the Packaging Details:			
	Affected Part Numbers	Before	After
Packaging Details	831054046, 831056237, 831056238, 831056239, 831056240, 831056241, 831056242, 831056243, 831056244, 831056245 831056246, 831056247, 831056248, 831056249, 831066629, 831068242, 831068248, 831068250	Pack Style: Reel Tape & reel in accordance with EIA-481 Standard Pack Quantity: 1,000	Tape & reel in accordance with EIA-481 Quantities below the standard reel size to be supplied on cut tape Standard Quantity: 3,000 Pieces
	830208214609, 830208214709 830208214809, 830208214909 830208215009, 830208215109 830208215209, 830208215309 830208215409, 830208215509 830208215609, 830208215809 830207182209	Pack Style: RL3K Tape & reel in accordance with EIA-481 Standard Pack Quantity: 3,000	Tape & reel in accordance with EIA-481 Quantities below the standard reel size to be supplied on cut tape Standard Quantity: 3,000 Pieces

5. Correction of the Product Dimensions:

	Before	After
Product Dimensions		
L	2.0 ± 0.1	2.0 ± 0.15
W	1.6 ± 0.1	1.6 ± 0.15
H	0.7 ± 0.1	0.80 max

6. Correction of the Solder Pad Layout:

	Before	After
Solder Pad Layout		



7. Update of IQD Part No.:

Due to internal standardization the last 4 digits identifying the packaging type have been removed from the IQD Part No. format.

	Before	After
IQD Part No.	LFSPX0XXXXXXReel or LFSPX0XXXXXXXRL3K e.g. LFSPX00068250Reel, LFSPX007182209RL3K	LFSPX0XXXXXX e.g. LFSPX0068250, LFSPX007182209

8. Correction of the Duty Cycle:

	Before	After
Duty Cycle	45/55%	40/60 max

9. Standardization of Environmental Parameters:

Due to internal standardization, it has been decided to update the shock and vibration specification to align with the test condition of the AEC-Q200.

	Before	After
Storage Temperature Range	-40 to 85 °C	-55 to 125 °C
Vibration	IEC 60068-2-6: 1.5 mm amplitude, 10 Hz-55 Hz, 1 min in 3 mutually perpendicular planes, duration 2 hrs each plane (total 6 hrs)	Vibration: MIL-STD-202 Method 204. 5 g for 20 minutes, 12 cycles in each of the 3 orientations, 10 - 2000 Hz. As per Table 11 of AEC-Q200.

10. Correction of the Rise and Fall Time:

	Before	After
Rise and Fall time	5.0 ns max	7.0 ns max



11. Correction of the Current Draw:

	Affected Part Numbers	Before	After
Current Draw	830208214609, 831068242 830208214709, 831054046 831056237, 830208214809 830208214909, 831056238 831066629	4 mA	7 mA
	831056239, 830208215009 831056240	4 mA	20 mA
	831056241, 831056242 830208215109, 831056243 830208215209, 831056244 831056245, 830208215309 831056246, 830208215409 830208215509, 831068248 830208215609, 831068250, 830207182209	7 mA	20 mA
	831056247, 831056248 831056249, 830208215809	10 mA	20 mA

RELIABILITY / QUALIFICATION OF CHANGE:

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