

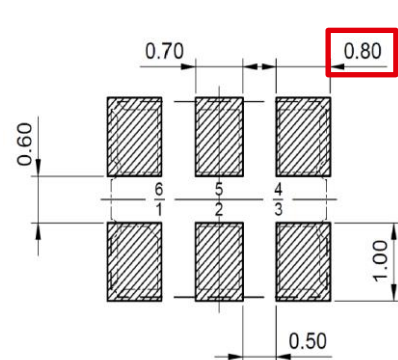
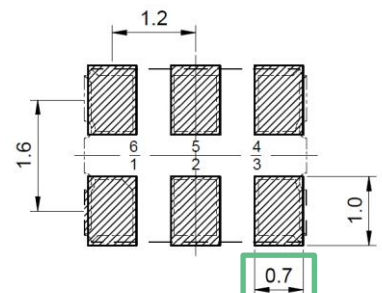


<b>Product/Process Change Notice (PCN)</b>																					
<input type="checkbox"/> Major Change <input checked="" type="checkbox"/> Minor Change																					
<b>PCN Number:</b> PCN_FrqSPXO_20250218  <b>Affected Series:</b> WE-SPXO  <b>Affected Part Number:</b> See table below  <b>PCN Date:</b> 2024-11-18 (YYYY-MM-DD) <b>Effective Date:</b> 2025-02-18 (YYYY-MM-DD)	<b>Change Category:</b> <input type="checkbox"/> Equipment/Location <input checked="" type="checkbox"/> General Data <input type="checkbox"/> Material <input type="checkbox"/> Process <input type="checkbox"/> Product Design <input type="checkbox"/> Shipping/Packaging <input type="checkbox"/> Supplier <input type="checkbox"/> Software																				
<b>Contact:</b> Product Management  <b>Phone:</b> +49 (0) 7942 - 945 5001  <b>Fax:</b> +49 (0) 7942 - 945 5179  <b>E-Mail:</b> pcn.eisos@we-online.com	<b>Datasheet Change:</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  <b>Attachment:</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																				
<b>DESCRIPTION OF CHANGE:</b> <p>Because of a database mismatch, Würth Elektronik eiSos will correct the packaging details (1), solder pad layout (2), IQD Part No. format (3), environmental parameters (4) and noise parameters (5) in the datasheet.</p> <p>This is a datasheet correction only. There will be no change in form, fit, function, quality or reliability of the product.</p>																					
<b>Affected part numbers:</b> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tbody> <tr> <td style="width: 20%;">830208332209</td> <td style="width: 20%;">830207511509</td> <td style="width: 20%;">830208332309</td> <td style="width: 20%;">830208331709</td> <td style="width: 20%;">830208331909</td> </tr> <tr> <td>830208332009</td> <td>830208332501</td> <td>830208332601</td> <td>830208332701</td> <td>830208334301</td> </tr> <tr> <td>830208334501</td> <td>830208334601</td> <td>830207366709</td> <td>830207628309</td> <td>830208485909</td> </tr> <tr> <td>831080290</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		830208332209	830207511509	830208332309	830208331709	830208331909	830208332009	830208332501	830208332601	830208332701	830208334301	830208334501	830208334601	830207366709	830207628309	830208485909	831080290				
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831080290																					
<b>DETAILS OF CHANGE</b>          																					

1. Correction of the Packaging Details:

	Affected Part numbers	Before	After
Packaging Details	830208332209 830207511509 830208332309 830208331709 830208331909 830208332009 831080290 830207366709 830207628309 830208485909	<b>Pack Style: RL3K</b> Tape & reel in accordance with EIA-481-D, <b>Pack Size: 3,000</b>	Tape & reel in accordance with EIA-481, Quantities below the standard reel size to be supplied on cut tape. <b>Standard Quantity: 3,000 Pieces</b>
	830208332501 830208332601 830208332701 830208334301 830208334501 830208334601	<b>Pack Style: Reel</b> Tape & reel in accordance with EIA-481-D, <b>Pack Size: 3,000</b>	Tape & reel in accordance with EIA-481, Quantities below the standard reel size to be supplied on cut tape. <b>Standard Quantity: 3,000 Pieces</b>

2. Correction of the Solder Pad Layout:

	Affected Part numbers	Before	After
Solder Pad Layout	830208332209 830207511509 830208332309 830208331709 830208331909 830208332009 831080290 830207366709 830207628309 830208485909		



### 3. 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.

	Affected Part numbers	Before	After
IQD Part No.	830208332209	LFSPX0XXXXXXRL3K	LFSPX0XXXXXX
	830207511509	e.g. LFSPX0083317RL3K	e.g. LFSPX0083317
	830208332309		
	830208331709		
	830208331909		
	830208332009		
	831080290		
	830207366709		
	830207628309		
	830208485909		
	830208332501	LFSPX0XXXXXXReel	LFSPX0XXXXXX
	830208332601	e.g. LFSPX0083343Reel	e.g. LFSPX0083343
	830208332701		
	830208334301		
830208334501			
830208334601			



4. Standardization of Environmental Parameters:

Due to internal standardization, it has been decided to include only the most important environmental parameters in the datasheets. All other environmental parameters can be found in the Qualification Overview available on request.

	Affected Part numbers	Before	After
Environmental Parameters	830208332501 830208332601 830208332701 830208334301 830208334501 830208334601	Freq. range: 20~2000 Hz, peak to peak amplitude: 1.52 mm, peak acceleration: 20 G (196 m/s <sup>2</sup> ), 3 direction (X, Y, Z), <b>each cycle: 20 min, 4 cycles for each direction.</b>	Freq. range: 20~2000 Hz, peak to peak amplitude: 1.52 mm, peak acceleration: 20 G (196 m/s <sup>2</sup> ), 3 directions (X, Y, Z) <b>20 minutes per cycle, 4 cycles in each of the 3 orientations.</b>
	830208332209 830207511509 830208332309 830208331709 830208331909 830208332009 831080290 830207366709 830207628309 830208485909	<b>Low Temp Exposure (JIS-C0020): the specimen is measured for frequency before the test. Expose device to -40 °C±3 °C for 168±6 hours. Measure electrical performance after leaving 1~2 hours at room temperature.</b> <b>Ageing Test (JIS-C0021): the specimen is measured for frequency before the test. Expose device to +125 °C±3 °C for 720±48 hours. Measure electrical performance after leaving 1~2 hours at room temperature.</b> <b>High Temperature and Humidity (MIL-STD-883F : 1004.7): the specimen is measured for frequency before the test. Expose device to +85 °C±5 °C and 85±5 % humidity for 168±6 hours. Measure electrical performance after leaving 1~2 hours at room temperature.</b> <b>Temperature Cycle Test (MIL-STD-883F : 1010.8): the specimen is measured for frequency before the test. Expose device to 100 cycles of:</b>	



		<p>Low temp: -55 °C±3 °C for15±3 min</p> <p>Ramp up to high temp: 2-3 mins</p> <p>High temp:+125 °C±3 °C for15±3 min</p> <p>Ramp down to low temp: 2-3 mins</p> <p>Measure electrical performance after leaving 1~2 hours at room temperature.</p>	
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5. Correction of Noise Parameters:

	Affected Part numbers	Before	After
Phase Jitter (12 kHz to 20 MHz):	830208334301 830208334501 830208334601	300 fs max	300 fs rms max

**RELIABILITY / QUALIFICATION OF CHANGE:**

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