



Product / Process Change Notification (PCN)	
<input checked="" type="checkbox"/> Major change <input type="checkbox"/> Minor change	
PCN #: PCN_IndLQS_20221231 Affected Series: WE-LQS; 74404031xxxA PCN Date: September 30, 2022 Effective Date: December 31, 2022	Change Category: <input checked="" type="checkbox"/> Equipment / Location <input checked="" type="checkbox"/> General Data <input type="checkbox"/> Material <input type="checkbox"/> Process <input checked="" type="checkbox"/> Product Design <input checked="" type="checkbox"/> Shipping / Packaging <input type="checkbox"/> Supplier <input type="checkbox"/> 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: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Attachment: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<p>Description and purpose of change: To increase the production capability, Würth Elektronik will implement a new product design and new production line for the WE-LQS series. The location will move from Malaysia to China.</p> <p>Only the parts 74404031xxxA will be affected by this change. All products with date code 2022-12-31 or later, will be affected by this change.</p> <p>There will be no change in function, quality or reliability of the product.</p>	

Detail of Change:

Because of the COVID-19 pandemic, worldwide supply chains have been interrupted. To ensure the constant availability of the product, the product design has changed and a new production line have been released for the product series WE-LQS.

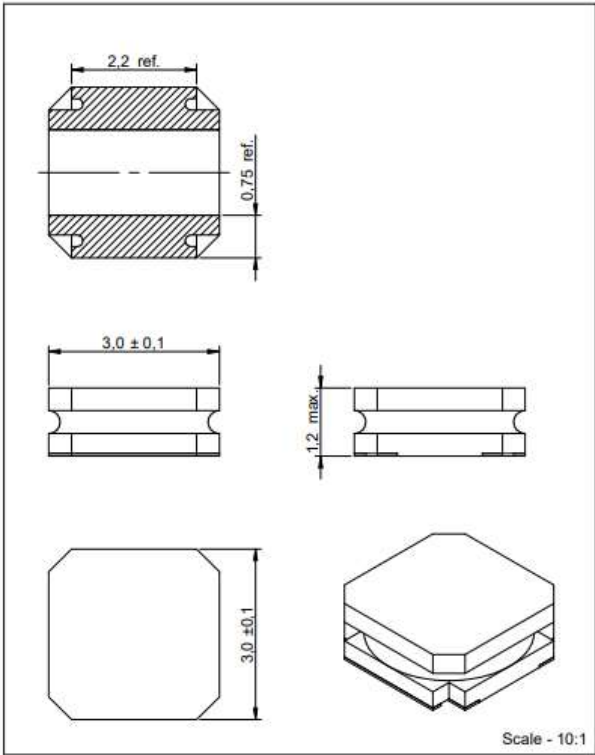
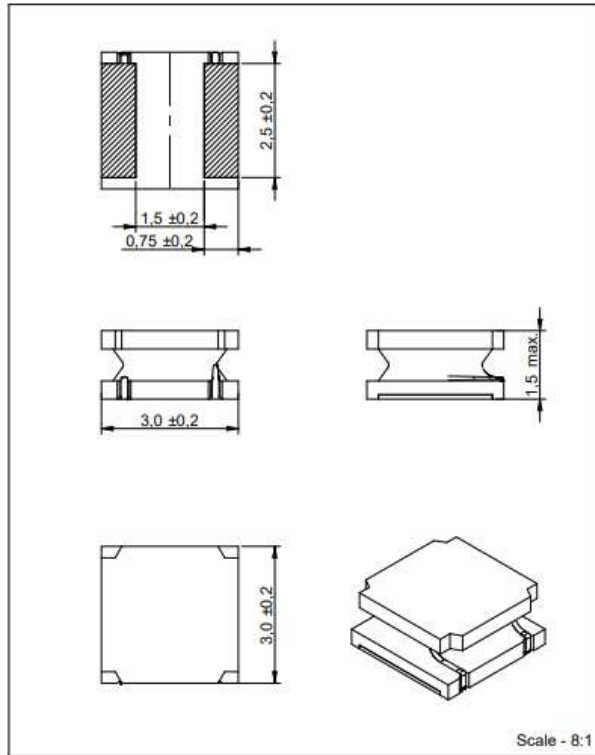
The production line can be identified by the first three digits of the lot number:

Current production line:	New production line:
Lot number: 011 XXX XXX XXX XXX	Lot number: 246 XXX XXX XXX XXX
Country of origin on Delivery Note: Malaysia	Country of origin on Delivery Note: China









Design Change:

The appearance of the WE-LQS will change according the drawing below. The mechanical dimensions will not stay the same.

74404031xxxA

Before Change	After Change
 <p>Scale - 10:1</p>	 <p>Scale - 8:1</p>

74404031xxxA

Before Change	After Change
	
	
	
	



Electrical Parameter Change:

Part Number	L value [μH]		RDC max. [mΩ]		Isat 30% [A]		IR [A]		SRF [MHz]	
	Before	After	Before	After	Before	After	Before	After	Before	After
74404031010A	1.0	1.0	37.2	39.6	2.04	3.0	2.94	2.2	210	138
74404031027A	2.7	3.3	96	84	1.66	1.5	1.85	1.5	121	72
74404031047A	4.7	4.7	166.8	115.2	1.0	1.2	1.4	1.3	95	56
74404031068A	6.8	6.8	196.8	144	0.74	0.94	1.29	1.16	69	45
74404031100A	10	10	304.8	276	0.58	0.87	1.03	0.84	58	37
74404031150A	15	15	483.6	360	0.53	0.8	0.81	0.73	46	29
74404031220A	22	22	628.8	540	0.43	0.6	0.74	0.6	36	25
74404031330A	33	33	962.4	1093.2	0.35	0.54	0.6	0.5	29	17
74404031470A	47	47	1503.6	1260	0.28	0.41	0.48	0.4	25	15

Packaging Specification Change:

Part Number	VPE Before	VPE After	Carton Before	Carton After
74404031010A	2.000	2.000	100.000	80.000
74404031027A	2.000	2.000	100.000	80.000
74404031047A	2.000	2.000	100.000	80.000
74404031068A	2.000	2.000	100.000	80.000
74404031100A	2.000	2.000	100.000	80.000
74404031150A	2.000	2.000	100.000	80.000
74404031220A	2.000	2.000	100.000	80.000
74404031330A	2.000	2.000	100.000	80.000
74404031470A	2.000	2.000	100.000	80.000



Reliability / Qualification Summary:

Product approval is according to the specification criteria and is internally released by the Product Management Department.

The following items are part of the internal release process:

- AEC-Q200 qualification (tested in a series qualification)

High Temperature Exposure	MIL-STD-202G, Method 108
Temperature Cycling	JESD22 Method, JA-104
Biased Humidity	MIL-STD-202, Method 103
Operational Life	MIL-PRF-27
External Visual	MIL-STD-883, Method 2009
Physical Dimension	JESD22 Method, JB-100
Resistance to Solvents	MIL-STD-202G, Method 215
Mechanical Shock	MIL-STD-202G, Method 213
Vibration	MIL-STD-202G, Method 204
Resistance to Soldering Heat	MIL-STD-202G, Method 210
Solderability	J-STD-002
Electrical Characterization	User Spec.
Board Flex	AEC-Q200-005
Terminal Strength(SMD)	AEC-Q200-006
Low Temperature Storage Life	JESD22-A119

- Approval of production line