

Würth Elektronik eiSos GmbH & Co. KG

EMC & Inductive Solutions

Max-Eyth-Straße 1 · 74638 Waldenburg · Germany

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Product / Process Change Notification (PCN)

- Major change
 Minor change

PCN #: PCN_WL-SxTW_SMSW_20201225

Affected Series: WL-SxTW_150xxx
 WL-SMSW_155301xx73100

PCN Date: September 25, 2020

Effective Date: December 25, 2020

Change Category:

- Equipment / Location
 General Data
 Material
 Process
 Product Design
 Shipping / Packaging
 Supplier
 Software

Contact: Product Management

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Data Sheet Change:

- Yes No

Attachment:

- Yes No

DESCRIPTION AND PURPOSE OF CHANGE:

In order to optimize our production capacity, Würth Elektronik will relocate the production line PLCC LEDs. The new location will remain in China. All products with date code 2020-12-25 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:

Neither electrical nor mechanical properties of the part will be changed.

The production lines can be identified by the first three digits of the lot number: **278** XXXXXXXXXXXXX.
 Country of origin on Delivery Note: China

Affected part numbers:

Match-code	Size	Part number
WL-SMTW	2214	150224xx73100A
		150224xx73100
	3020	150302xx73100
	2835	150283xx73103
	3528	150141xx73100
		150141xx73113
	5050	150505xx73100
WL-SMSW	3014	155301xx73100
WL-SBTW	3528	150141xx73100

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		150141xx73110
WL-SFTW	3528	150141M173100
		150141M173199
		150352M173300
		150352M173199
	5050	150505M173300

RELIABILITY / QUALIFICATION SUMMARY:

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

No.	Test	Qty	Reference	Test conditions
1	Reflow test	30	Internal Reflow Profile according to J-STD-020C	Unsoldered WE Reflow Profile: (at least 3 times must be passed) Peak: TP +5°C Conditions: Preheat: 150-200°C (max 120s) Liquidus temperature: 217°C (max 60s) Peak Temperature: 250°C (10s +/-2s)
2	Life-span in high temperature	30	Internal Spec.	Dehumidification in 125 °C for 2 hours 30 mins @ 25°C Measurement: 1,2,3,4,5 On board for 1 time Reflow Test conditions: Forward current: 30mA @ 125°C in 96h
3	Thermal Shock	30	MIL-STD-202 Method 107	Temperature: -40°C/+125°C or individual specified operating temperature Dwell time: 30 minutes. Cycles: 40 Transfer time: max. 20s
4	ESD Characterization	30	AEC - Q101-001 Rev-A.	2000V for AlInGaP 1000V for InGaN forward pulse: 3 times reversed pulse: 3 times pulse width: 1 second
5	Vibration	30	MIL-STD-202 Method 204	20g's for 20 minutes, 12 cycles each of 3 orientations. Note: Use 100mm x 160mm x 1,5mm PCB-Board. Test from 25-2000 Hz.