



Product / Process Change Notification (PCN)

☒ Major Change

☐ Minor Change

PCN Number: PCN_IndLQ_20241010

Affected Series: WE-LQ

Affected Order Codes: Please see table below

PCN Date: 2024-07-10 (YYYY-MM-DD)

Effective Date: 2024-10-10 (YYYY-MM-DD)

Change Category:

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

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Datasheet Change:

☐ Yes ☒ No

Attachment:

☐ Yes ☒ No

Description of Change:

To increase the production capability, Würth Elektronik eiSos will release an additional production location for the sizes 1210, 1812 and the mentioned special order codes of the WE-LQ product series.

A list of all affected order codes can be seen below.

There will be no change in form, fit, function, quality or reliability of the product.

The new revision of the affected order codes will be sent out after the previous revision is out of stock (according to FIFO - first-in, first-out).

(see next page)



Affected order codes:

744032001	7440320015	7440320018	744032002	7440320027
744032003	7440320039	744032004	7440320056	744032006
744032008	744032100	744032100J	744032101	744032101C
744032120	744032121	744032150	744032180	744032220
744032221	744032221A	744032271	744032330	744032331
744032331J	744032470	744032471	744032680	7440329002
7440329004	7440329100	7440329220	7440329470	744045001
7440450015	7440450018	744045001R	744045002	7440450027
7440450027K	744045002R	744045003	7440450039	744045004
7440450056	744045006	744045008	744045100	744045100R
744045102	744045102A	744045120	744045150	744045152
744045180	744045210	744045215	744045220	744045222
744045330	744045331	744045391	744045470	744045471
744045680	744045681	744045820	744045821	7440459470
P06/00010R	S0310146	S0410156	S23100173	

Details of Change:

Neither quality, electrical, nor mechanical properties will change. Therefore there will be also no datasheet change.
 All dimensions and standard packaging quantities will remain the same.

Already established production site	Additional production site
Lot number beginning with 22612xxxxxxxxxx Country of origin: China	Lot number beginning with 22610xxxxxxxxxx Country of origin: China



Reliability / Qualification of Change:

An additional reliability testing was performed and approved.

Qualification according to the internal reliability standard.

Additional details of the tests can be found below:

Test Item	Sample Size	Reference	Test Conditions	Acceptance
High Temperature Exposure	30	MIL-STD-202-108	500 h at maximum operating temperature 125 °C. Unpowered.	Approved
Moisture Resistance	30	MIL-STD-202-106	Temperature: Cycled 25°C to 65 °C; Humidity: 80- 100% RH; Time/Cycle = 24 h; Testing duration: 10 cycles	Approved
Operational Life	30	MIL-PRF-27	1000h at maximum operating temperature 125 °C (Ambient temperature 85 °C + temperature rise 40K)	Approved
Terminal Strength	30	Internal Spec	-	Approved
Vibration	30	MIL-STD-202-204	10g's for 20 minutes, 12 cycles each of 3 orientations.	Approved
Resistance To Soldering Heat	30	MIL-STD-202-210 & J-STD-020	Reflow soldering 5 times at peak reflow temperature.	Approved
Solderability	30	IPC-A-610	According JEDEC J-STD-020, Tc=240~245 °C, tp=20~30 s.	Approved
Thermal Shock	30	MIL-STD-202-107	minimum operating temperature /maximum operating temperature; dwell time is 30 minutes; transfer time max. 20 s. Testing duration: 300 cycles	Approved
Board Flex	30	AEC-Q200-005	Condition: 2 mm (Min) Testing duration: 60+5 second	Approved
Low Temperature Storage Life	30	EIA JESD 22-A119	Condition: minimum operating temperature Testing duration: 500 h	Approved
Electrical Parameters	30	As specified in the datasheet	-	Approved