Würth Elektronik eiSos GmbH & Co. KG
EMC & Inductive Solutions
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WÜRTH ELEKTRONIK MORE THAN YOU EXPECT

PCN (Product Change Notice)

This document applies to all companies and branches of the Würth Elektronik eiSos Group.

☒ Major Change
☐ Minor Change

PCN Number:	PCN_VDMM_20260305
Affected Series:	WPME-VDMM
Affected Part Number:	171960501
PCN Date:	2025-12-08 (YYYY-MM-DD)
Effective Date:	2026-03-05 (YYYY-MM-DD)

Change Category:

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

Contact:	Product Management
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Datasheet Change:
☐ Yes ☒ No

Attachment:
☐ Yes ☒ No

DESCRIPTION OF CHANGE:

Due to an improvement of the production capability, Würth Elektronik eiSos has changed the supplier of the lead frame of the switching regulator IC used in the power module.

There will be no change in fit, form, function, quality or reliability of the product.
The new revision of the affected part numbers will be sent out after the previous revision is out of stock (according to FIFO - first-in, first-out).

DETAILS OF CHANGE:

There is no change in the form or function of the device.
There is no change to the datasheet.
There are no changes to the fulfillment of the technical requirements for RoHS or REACH.

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FMD Before Change:

Semi-Component	Material Acc. ISO 22628/IMDS	Substances	CAS	Average Mass [%]	Sum [%]
IC Lead Frame	3.2 Copper Alloys	Iron(Fe)	7439-89-6	2.600	11.206888
		Nickel(Ni)	7440-02-0	1.250	
		Palladium(Pd)	7440-05-3	0.040	
		Copper(Cu)	7440-50-8	95.740	
		Gold(Au)	7440-57-5	0.020	
		Zinc(Zn)	7440-66-6	0.200	
		Phosphorus(P)	7723-14-0	0.150	

FMD After Change:

Semi-Component	Material Acc. ISO 22628/IMDS	Substances	CAS	Average Mass [%]	Sum [%]
IC Lead Frame	3.2 Copper Alloys	Iron(Fe)	7439-89-6	2.350	11.04
		Copper(Cu)	7440-50-8	97.440	
		Zinc(Zn)	7440-66-6	0.130	
		Phosphorus(P)	7723-14-0	0.080	

RELIABILITY / QUALIFICATION OF CHANGE:

An additional reliability testing was performed, passed, and approved.

Additional details of the tests can be found in the table below:

Test Item	Sample size	Reference	Test conditions	Acceptance
Temperature Cycling	25	JESD22-A104	Condition G: -40°C / 125°C, 1000 cycles, 3 cycles/h, soak mode 1	Approved
Unbiased Temperature Humidity	25	JESD22-A118B	110 °C, 85% R.H., 264h	Approved
Five Times Reflow	30	Internal Standard	5x reflow using recommended reflow profile, X-Rays performed after each cycle	Approved

Würth Elektronik eiSos GmbH & Co. KG Sitz Waldenburg, Registergericht Stuttgart HRA 580801
Komplementär Würth Elektronik eiSos Verwaltungs-GmbH, Sitz Waldenburg, Registergericht Stuttgart HRB 581033
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