Würth Elektronik eiSos GmbH & Co. KG EMC & Inductive Solutions

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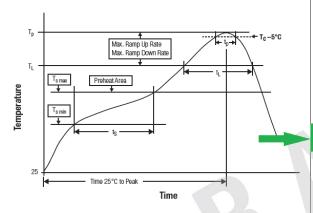
Product / Process Change Notification (PCN)				
☐ Major change☑ Minor change		, ,		
PCN #:	PCN_IndMAIA_20210130	Change Category:		
Affected Series:	WE-MAIA; 784383xxx	□ Equipment / Location⊠ General Data□ Material		
PCN Date:	October 30, 2020	□ Process		
Effective Date:	January 30, 2021	□ Product Design□ Shipping / Packaging□ Supplier□ Software		
Contact:	Product Management	Data Sheet Change:		
Phone:	+49 (0) 7942 - 945 5001	⊠ Yes □ No		
Fax:	+49 (0) 7942 - 945 5179	Attachment:		
E-Mail:	pcn.eisos@we-online.com	□ Yes ⊠ No		
DESCRIPTION AND	D PURPOSE OF CHANGE:			
To improve the processability, Würth Elektronik will add a recommendation on the solder paste thickness.				
This is only a datasheet amendment, there will be no change in form, fit, function, quality or reliability of the product.				
DETAIL OF CHANG	GE:			
The recommendation	n as follows:			
_	u use the correct thickness of solder paste to end 100µm solder paste as a reference."	avoid an insufficient soldering		
Will be implemented	under the Classification Soldering Profile and in	the Cautions and Warnings.		
The drafts below she	ow the parts of the datasheet in question:			

Würth Elektronik eiSos GmbH & Co. KG **EMC & Inductive Solutions**

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Classification Reflow Profile for SMT components:



Classification Reflow Soldering Profile: Profile Feature T_{s min} 150 °C Preheat Temperature Min T_{s max} 200 °C Preheat Temperature Max Preheat Time $\, {\rm t_s} \, {\rm from} \, {\rm T_s}_{\, {\rm min}} \, {\rm to} \, {\rm T_s}_{\, {\rm max}} \qquad {\rm t_s} \qquad 60$ - 120 seconds Ramp-up Rate (T₁ to T_p) 3 °C/ second max Liquidous Temperature T_L 217°0 t_L 60 - 150 seconds Time t_L maintained above T_L Peak package body temperature T_p $T_p \le T_{C'}$ see Table below Time within 5°C of actual peak t p 20 - 30 seconds

Ramp-down Rate $(T_P \text{ to } T_L)$ Time 25°C to peak temperature

efer to IPC/ JEDEC J-STD-020E Make sure that you use the correct thickness of solder paste to avoid an insufficient soldering result. We recommend 100µm solder paste as a

8 minutes max

Package Classification Reflow Temperature (T_c):

Properties	Volume mm³ <350	Volume mm ³ 350-2000	Volume mm³ >2000
PB-Free Assembly Package Thickness < 1.6 mm	260 °C	260 °C	260 °C
PB-Free Assembly Package Thickness 1.6 mm - 2.5 mm	260 °C	250 °C	245°C
PB-Free Assembly Package Thickness ≥ 2.5 mm	250 °C	245 °C	245°C

refer to IPC/ JEDEC J-STD-020E

Cautions and Warnings:

The following conditions apply to all goods within the product series of WE-MAIA of Würth Elektronik eiSos GmbH & Co. KG:

- This electronic component is designed and manufactured for use in general electronic equipment.

 With Elektronik must be asked for written approval fictiowing the PPAP procedurely before incorporating the components into any equipment in fields such as military, serospece, aviation, nuclear control, submarine, transportation signal, disaster prevention, medical, public information network, etc. where higher sately and reliability are especially required and/or if there is the possibility of direct damage or human injury.

 Electronic components that will be used in safety-critical or high-reliability applications, should be pre-evaluated by the customer. The component is designed and manufactured to be used within the datasheet specified values. If the usage and operation conditions specified in the datasheat are not met, the wire insulation may be damaged or dissolved.

 Do not droo or inspect the components, the component may be damaged.

- specified in disassers the component, the component and be disassed in subsequent as subsequent of the component of the component of the disassed in the di sustainability over time.
- The responsibility for the applicability of the customer specific products and use in a particular customer design is always within the authority of the customer. All technical specifications for standard products also apply to customer specific products.

Soldering:

- . The solder profile must comply with the technical product specifications. All other profiles will void the warranty.
- It is above power many company that the elements produce specimens are powers any powers and use when any All other soldering methods are at the customers' own risk.

 To immove the soldering like of bothom bermination components blesse affect to accorde ANEO36 on our hormsone.

 Makes sure that you set the correct blichness of solder paste to avoid an insufficient soldering result. We recommend 100µm solder

Washing agents used during the production to clean the customer application might damage or change the characteristics of the wire insulation, marking or plating. Washing agents may have a negative effect on the long-term functionality of the product.

Potting:

If the product is potted in the customer application, the potting material might shrink or expand during and after hardening. Shrinking could lead to an incomplete seal, allowing contaminants into the core. Expansion could damage the components. We recommend a manual inspection after portion to avoid these effects.

Storage Conditions:

- A storage of Würth Elektronik products for longer than 12 months is not recommended. Within other effects, the terminals may suffer degradation, resulting in bad solderability. Therefore, all products shall be used within the period of 12 months based on the day of shipment.

- shipment.

 Do not expose the components to direct sunlight.

 The storage conditions in the original packaging are defined according to DIN EN 61760-2.

 The storage conditions stated in the original packaging apply to the storage time and not to the transportation time of the components.

- Violation of the technical product specifications such as exceeding the nominal rated current will void the warranty
- Applying currents with audio-rejectors special same years in a declaration and read-current with during the properties.
 The temperature rise of the component must be taken into consideration. The operating temperature is comprised or arisent temperature and temperature rise of the component. The operating interpretation of the component shall not exceed the maximum temperature specified.

These cautions and warnings comply with the state of the scientific and technical knowledge and are believed to be accurate and reliable. However, no responsibility is assumed for inaccuracies or incompleteness.



RELIABILITY / QUALIFICATION SUMMARY:

Solderability / J-STD-002

Vibration / MIL-STD 202G Method 204