



<b>Product / Process Change Notification (PCN)</b>	
<input checked="" type="checkbox"/> Major Change <input type="checkbox"/> Minor Change	
<b>PCN Number:</b> PCN_IndPDA_20241003  <b>Affected Series:</b> WE-PDA-1050  <b>Affected Order Codes:</b> 7847714xxx  <b>PCN Date:</b> 2024-04-03 (YYYY-MM-DD) <b>Effective Date:</b> 2024-10-03 (YYYY-MM-DD)	<b>Change Category:</b> <input type="checkbox"/> Equipment/Location <input type="checkbox"/> General Data <input type="checkbox"/> Material <input checked="" type="checkbox"/> Process <input type="checkbox"/> Product Design <input type="checkbox"/> Shipping/Packaging <input type="checkbox"/> Supplier <input type="checkbox"/> Software
<b>Contact:</b> Product Management <b>Phone:</b> +49 (0) 7942 - 945 5001 <b>Fax:</b> +49 (0) 7942 - 945 5179 <b>E-Mail:</b> pcn.eisos@we-online.com	<b>Datasheet Change:</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  <b>Attachment:</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>Description of Change:</b> <p>Due to an improvement of the production capability, Würth Elektronik will implement coating process to the inner ferrite core material to enhance product properties and process feasibility.          There will be no change in form, fit, function, quality, or reliability of the product.</p>	
<b>Details of Change:</b> <p>The change is consequent of improving product feasibility, adding coating process on the inner ferrite core component will improve testing method of process of manufacturing. Increasing capability of the manufacturing line.</p>	
<b>Before Change</b>	<b>After Change</b>
	
<b>Before:</b> No Coated inner ferrite core component	<b>After:</b> Coated inner ferrite core component



**Reliability / Qualification of Change:**

An additional reliability testing was performed and approved. Qualification according to AEC-Q200 Table 5. Additional details of the tests can be found in the table below:

Test Item	Sample Size	Reference	Test Conditions	Acceptance
Temperature Cycling	77	JESD22 Method JA-104	-55 °C (30 min) ~ 150 °C (30 min). Transfer time max. 1min., 1000 cycles	Approved
Operational Life	77	MIL-PRF-27	100 °C, 1000 hrs, rated current from the datasheet	Approved
External Visual	30	MIL-STD-883-2009	N/A	Approved
Mechanical Shock	30	MIL-STD-202-213	3 shocks in each direction (x, -x, y, -y, z, -z), peak value 10 g's, duration 6ms, half-sine, velocity change 12.3 ft/sec.	Approved
Resistance to Soldering Heat	30	J-STD-020	Tc=250 °C, tp=30~35 s, 3 times reflow	Approved
Electrical Characterization	30	User Spec.	Measure electrical property @ 20, 150 °C, -55 °C	Approved