



Product/Process Change Notice (PCN)																									
<input checked="" type="checkbox"/> Major Change <input type="checkbox"/> Minor Change																									
PCN Number: PCN_UtPoE MID_20250228 Affected Series: WE-PoE MID Affected Part Number: 750319032 PCN Date: 2024-11-28 (YYYY-MM-DD) Effective Date: 2025-02-28 (YYYY-MM-DD)	Change Category: <input type="checkbox"/> Equipment/Location <input checked="" type="checkbox"/> General Data <input type="checkbox"/> Material <input type="checkbox"/> Process <input checked="" type="checkbox"/> Product Design <input type="checkbox"/> Shipping/Packaging <input type="checkbox"/> Supplier <input type="checkbox"/> Software																								
Contact: Product Management Phone: +49 (0) 7942 - 945 5001 Fax: +49 (0) 7942 - 945 5179 E-Mail: pcn.eisos@we-online.com	Datasheet Change: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Attachment: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																								
DESCRIPTION OF CHANGE: <p>In order to enhance the product reliability, Würth Elektronik is updating the winding construction of PN 750319032. In addition, the DCR specifications of all windings are being updated. There will be no change in form, fit, or quality 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).</p>																									
DETAILS OF CHANGE: <p>The winding construction of 750319032 is being updated</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-bottom: 10px;"> <thead> <tr> <th style="width: 10%;">Winding</th> <th style="width: 40%;">Before Change</th> <th style="width: 50%;">After Change</th> </tr> </thead> <tbody> <tr> <td>N1</td> <td>2x 44x38AWG Single Polyurethane 180°C</td> <td>12x 31AWG Heavy Polyurethane 180°C</td> </tr> <tr> <td>N2</td> <td>2x 44x38AWG Single Polyurethane 180°C</td> <td>7x30AWG Heavy Polyurethane 155°C</td> </tr> <tr> <td>N3</td> <td>32AWG Heavy Polyurethane 180°C</td> <td>31AWG Heavy Polyurethane 180°C</td> </tr> </tbody> </table> <p>The DCR specifications of 750319032 is being updated</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Winding</th> <th style="width: 40%;">Before Change</th> <th style="width: 50%;">After Change</th> </tr> </thead> <tbody> <tr> <td>N1</td> <td>0.016 ohms max.</td> <td>0.020 ohms max.</td> </tr> <tr> <td>N2</td> <td>0.016 ohms max.</td> <td>0.020 ohms max.</td> </tr> <tr> <td>N3</td> <td>0.128 ohms ±10%</td> <td>0.120 ohms ±10%</td> </tr> </tbody> </table>		Winding	Before Change	After Change	N1	2x 44x38AWG Single Polyurethane 180°C	12x 31AWG Heavy Polyurethane 180°C	N2	2x 44x38AWG Single Polyurethane 180°C	7x30AWG Heavy Polyurethane 155°C	N3	32AWG Heavy Polyurethane 180°C	31AWG Heavy Polyurethane 180°C	Winding	Before Change	After Change	N1	0.016 ohms max.	0.020 ohms max.	N2	0.016 ohms max.	0.020 ohms max.	N3	0.128 ohms ±10%	0.120 ohms ±10%
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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
High Temperature Exposure	77	MIL-STD-202-108	1000 h at rated operating temperature 125 °C.	Approved
Temperature Cycling	77	JESD22 Method JA-104	1000 cycles, from -40 °C (dwell time: 30 min) to 125 °C (dwell time: 30 min). Maximum transfer time: 1 min.	Approved
Mechanical Shock	30	MIL-STD-202-213	3 shocks in each direction (x, -x, y, -y, z, -z), peak value of 100 g, duration 6 ms, half-sine, velocity change 12.3 ft/s.	Approved
Low Temperature Storage Life	77	JESD22-A119	-40 °C, 1000h	Approved
Biased Humidity	77	MIL-STD-202-103	85 °C, 85%RH, 1000H	Approved