



<b>Product / Process Change Notification (PCN)</b>	
<input type="checkbox"/> Major Change <input checked="" type="checkbox"/> Minor Change	
<b>PCN Number:</b> PCN_IndHCI_20240820  <b>Affected Series:</b> WE-HCI  <b>Affected Order Codes:</b> 7443551730, 7443551920, 7443551111, 743551131, 7443551151, 7443551181, 7443551221, 7443551331  <b>PCN Date:</b> 2024-05-17 (YYYY-MM-DD) <b>Effective Date:</b> 2024-08-20 (YYYY-MM-DD)	<b>Change Category:</b> <input type="checkbox"/> Equipment/Location <input type="checkbox"/> General Data <input type="checkbox"/> Material <input type="checkbox"/> Process <input type="checkbox"/> Product Design <input type="checkbox"/> Shipping/Packaging <input checked="" 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> To meet current customer demands, Würth Elektronik eiSos releases a second source core material. There will be no change in form, fit, function, quality or reliability of the product.	
<b>Details of Change:</b> To ensure the constant availability of the product, an additional source of core material has been released for the above mentioned order codes of 1365 series of WE-HCI. The second source core material has identical characteristics as that of the first source material. As a result, there will be no change in the datasheet. After the effective date, the mentioned order codes will be produced in both the sources.	
<b>Reliability / Qualification of Change:</b> An additional reliability test was performed and approved. Qualification AEC-Q200 table 05 'Miscellaneous/Material Supplier' and other additional tests has been chosen. 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	1000 cycles, from -40 °C to 125 °C. Dwell time: 15 min(Min.); Maximum transfer time: 1 min.	Approved
External Visual	All	MIL-STD_883 Method 2009	Inspect device construction, marking and workmanship. Electrical Test not required. Unpowered.	Approved
Physical Dimension	30	JESD22 Method JB-100	Verify physical dimensions to the applicable component detail specification.	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
Vibration	30	MIL-STD-202-204	5 g for 20 min, 12 cycles each of 3 orientations. Test from 10 Hz to 2000 Hz.	Approved
Resistance to Soldering Heat	30	MIL-STD-202-210/J-STD-020	Reflow soldering 5 times at peak reflow temperature, defined in J-STD-020. Time: 30-35 s	Approved
Electrical Characterization	30	User Spec.	Parametrically test per lot and sample size requirements, summary to show Min, Max, Mean and Standard Deviation at room as well as Min and Max operating temperatures. Unpowered.	Approved
Board Flex	30	AEC-Q200-005	Condition: 2 mm(Min); Testing Duration: 60+5 s; Unpowered	Approved
Terminal Strength	30	AEC-Q200-006	Make the push off test, record the force. All force higher 17.7 N, terminal strength would be announced as 17.7 N. Unpowered	Approved