



Product / Process Change Notification (PCN)

- ☒ Major Change
☐ Minor Change

PCN Number: PCN_UtFlex_20240925

Affected Series: WE-FLEX

Affected Order Codes: Please see below

PCN Date: 2024-06-25 (YYYY-MM-DD)

Effective Date: 2024-09-25 (YYYY-MM-DD)

Change Category:

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

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Datasheet Change:

- ☒ Yes ☐ No

Attachment:

- ☐ Yes ☒ No

Description of Change:

In order to enhance the product reliability, Würth Elektronik will change the core tape, coil tape, and leakage inductance specification on order codes 749196101, 749196111, 749196121, 749196131, 749196141, 749196201, 749196211, 749196221, 749196231, and 749196241.

Details of Change:

The leakage inductance base for 749196101, 749196111, 749196121, 749196131, and 749196141 will be updated from 0.21 µH to 1.2 µH. See before change in red and after change in green below.

	Before Change	After Change
Leakage Inductance Base	0.21 µH	1.2 µH

The leakage inductance base for 749196201, 749196211, 749196221, 749196231, and 749196241 will be updated from 0.17 µH to 1.2 µH. See before change in red and after change in green below.

	Before Change	After Change
Leakage Inductance Base	0.17 µH	1.2 µH



The coil and core tape used on 749196101, 749196111, 749196121, 749196131, 749196141, 749196201, 749196211, 749196221, 749196231, and 749196241 will change from 3M #1350 to 3M #PIA220. See before change in red and after change in green below.

Before:

Component	Material Description	UL Yellow Card
Tap (Coil,Core)	3M Polyester Film, #1350	E17385

After:

Component	Material Description	UL Yellow Card
Tap (Coil,Core)	3M Polyimide Film, #PIA220	E305006

Reliability / Qualification of Change:

Additional reliability testing was performed and approved.

Qualification according to AEC-Q200 table 05.

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

Test Item	Sample Size	Reference	Test Conditions	Acceptance
High Temperature Exposure	30	MIL-STD-202-108	160 °C, 96 h	Approved
Temperature Cycling	30	MIL-STD-202-107	30 minutes dwell, (-40 °C ~ 125 °C) ,40 cycles, Transfer time: max. 20 s	Approved
Resistance to Soldering Heat	30	MIL-STD-202-210	Tp=245 °C, tp=20-30 s, 3 times reflow	Approved