



Product / Process Change Notification (PCN)

- ☒ Major change
☐ Minor change

PCN #: PCN_UtLAN_20240125

Affected Series: WE-LAN; 74902xxxx

PCN Date: October 25, 2023

Effective Date: January 25, 2024

Change Category:

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

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Data Sheet Change:

- ☒ Yes ☐ No

Attachment:

- ☐ Yes ☒ No

Description and purpose of change:

Due to an improvement of the production capability, Würth Elektronik will use the spot welding design and change the marking for these parts, and change the potting material for 749020022A and 749020021B.

All products with date code 2024-01-12 or later, will be affected by this change.

There will be no change in function, quality or reliability of the product.

Detail of Change:

- **Marking change: (749020022A, 749020021B & 749022025B)**

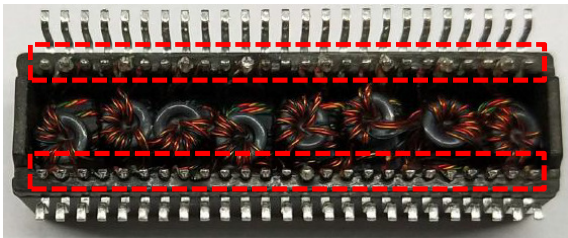
Before change

After change

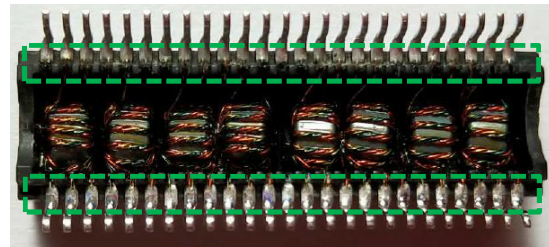


- **Spot welding design: (749020022A, 749020021B)**

Before change

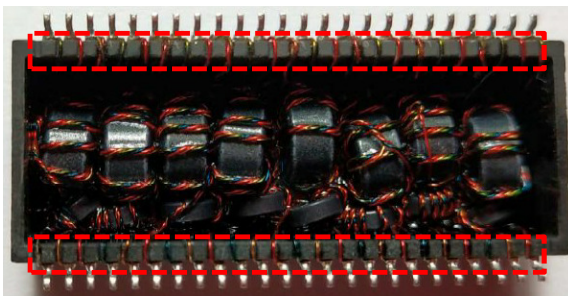


After change

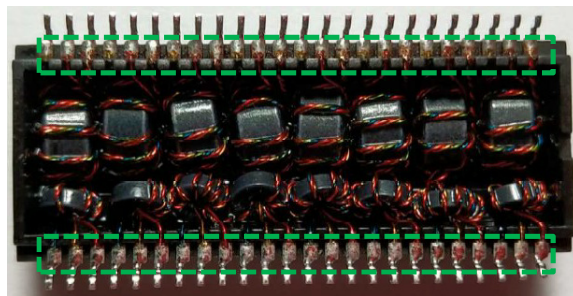


- **Spot welding design: (749022025B)**

Before change

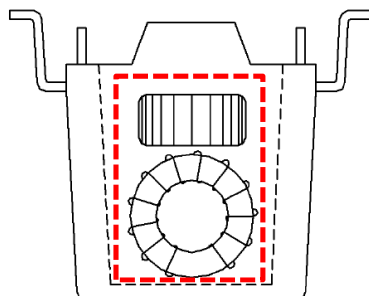


After change

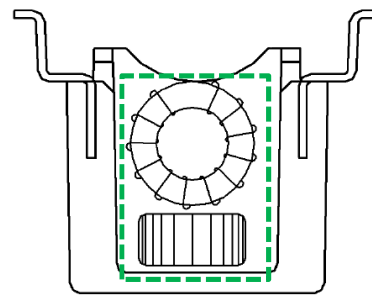


- **Core position change: (749020022A, 749020021B)**

Before change



After change





• **Potting material change: (749020022A, 749020021B)**

Before change

After change

Silicone #ZS-NJ-D955	Varnish #BC-359
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Reliability / Qualification Summary:

Product approval is according to the specification criteria and is internal released by the Product Management Department.

The following items are part of the internal release process:

SN	Test item	Sample Size	Reference	Test conditions	
1	Resistance to Soldering Heat	30	J-STD-020	Tp=245°C, tp=30~35s, 3 times reflow	
2	Solderability	30	IPC-A-610	Steam Aging 4 hrs±15min @93°C, Tp=240~245°C, tp=20~30s.	
3	Terminal Strength(SMD)	30	AEC-Q200-006	Product Type	Push Force
				SMT OH	17.7N
4	High Temperature Exposure	30	MIL-STD-202-108	85°C, 500h	
5	Thermal Shock	30	MIL-STD-202-107	-40°C(30min)~ 85°C(30min) Transfer time max. 20s, 300 cycles	
6	Vibration	30	MIL-STD-202- 204	15-2000 Hz, 10g's for 20 minutes, 12 cycles each of 3 orientations.	
7	Moisture Resistance	30	MIL-STD-202-106	65±2°C, 95%RH, Time/Cycle = 24h, 500h	
8	Low Temperature Storage Life	30	EIA JESD 22-A119	-40±3°C., 500h	