

Würth Elektronik eiSos GmbH &amp; Co. KG

EMC &amp; Inductive Solutions

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## Product / Process Change Notification (PCN)

- Major change  
 Minor change

**PCN #:** PCN\_UtRJ45LAN\_20180622

**Affected Series:** WE-RJ45LAN; 7499XXX

**PCN Date:** March 21, 2018

**Effective Date:** June 21, 2018

### Change Category:

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

**Contact:** Product Management

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### Data Sheet Change:

- Yes  No

### Attachment:

- Yes  No



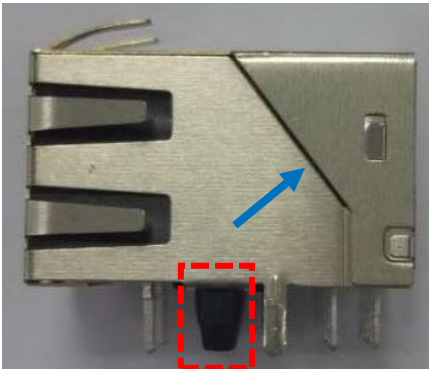
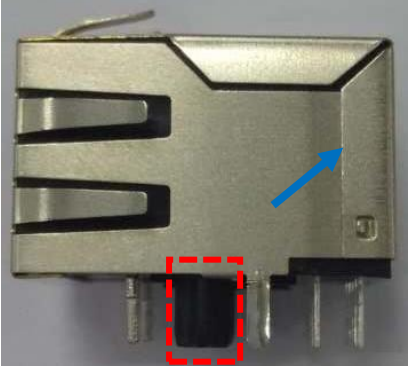
### DESCRIPTION AND PURPOSE OF CHANGE:

In order to enhance the product reliability, Würth Elektronik will change the plastic header and metal shield for below part numbers:

7499010005	7499011215	7499111443	7499211121
7499010213	7499011125	7499111990	7499211123
74990110013	74990112120	7499210121	
7499011002	7499011215	7499210122	
7499011121	7499111213	7499210211	

All products with date code 2018-06-21 or later, will be affected by this change.

**DETAIL OF CHANGE:**

<p><b>OLD</b></p> <p>RJ45 top view:</p>  <p>The image shows the top view of an old RJ45 shield. It is a rectangular metal piece with two large U-shaped cutouts at the top. The text 'WE', '7499211121', and 'NR1531' is stamped on the surface. A small rectangular tab is visible at the bottom center.</p>	<p><b>NEW</b></p>  <p>The image shows the top view of a new RJ45 shield. It is similar to the old version but has a different tab design at the bottom. The text 'WE', '7499211121A', and 'NR1653' is stamped on the surface.</p> <p>The design of plastic header and shield will be taken over from the eiSos catalogue parts (1x1 tab down version).</p>
<p><b>OLD</b></p> <p>RJ45 side view:</p>  <p>The image shows the side view of the old RJ45 shield. A blue arrow points to the top edge of the shield. A red dashed box highlights the bottom edge where the shield meets the plastic header.</p>	<p><b>NEW</b></p>  <p>The image shows the side view of the new RJ45 shield. A blue arrow points to the top edge of the shield. A red dashed box highlights the bottom edge where the shield meets the plastic header, showing a different shape compared to the old version.</p> <p>The form of the shield will be different at the closing point.</p> <p>Also the plastic standoffs will be changed</p>

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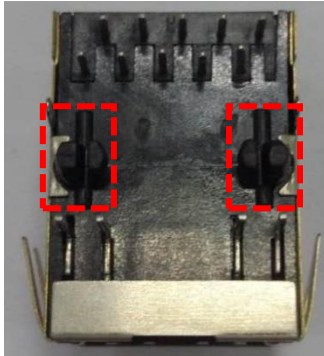
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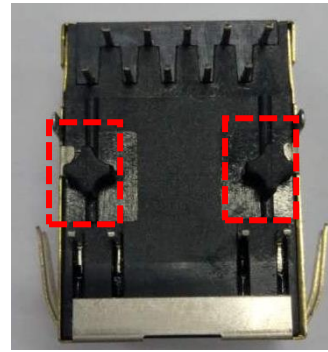


**OLD**

**RJ45 bottom view**



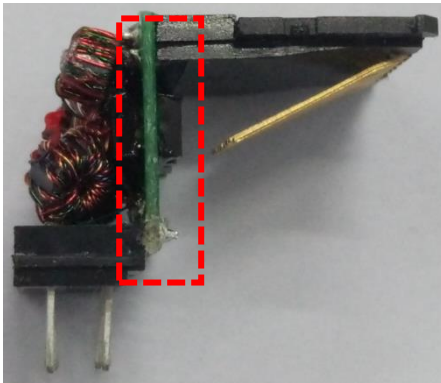
**NEW**



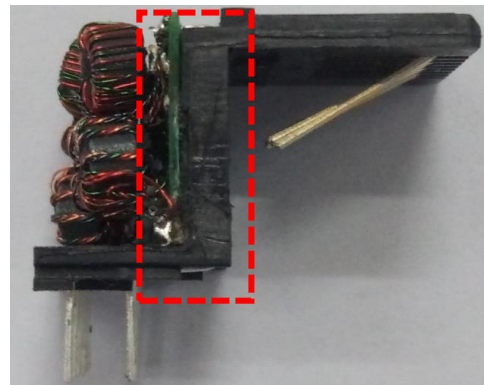
From the bottom view the plastic standoffs will be changed from a conical shape into a cross form shape.

**OLD**

**RJ45 insert**



**NEW**



The new insert will be made out of one single plastic molding to improve the mechanical stability

**RELIABILITY / QUALIFICATION SUMMARY:**

- Solderability according to IPC-A610 chapter 7.3.5
- High Temperature Exposure according to MIL-STD-202 Method 108
- Thermal Shock according to MIL-STD-202 Method 107
- Vibration according to MIL-STD-202 Method 204