

Product/Process Change Notice (PCN)



- Major change
 Minor change

PCN #:
PCN_WE_RJ45LAN_20180130_7499XXXXX_S1XXXXXX
Product Affected: WE-RJ45 LAN

- Product Mark
 Date Code
 Packaging
 Others

PCN Date: October 30th, 2017

Effective Date: January 30th, 2018

Contact: Product Management

Attachment: Yes No

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DESCRIPTION AND PURPOSE OF CHANGE:

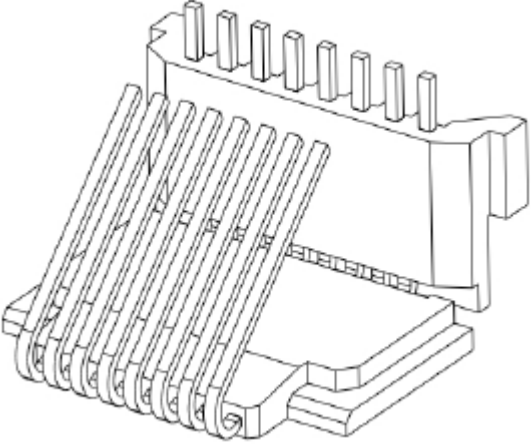
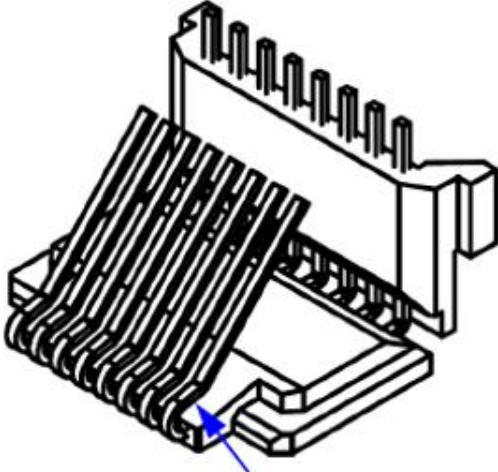
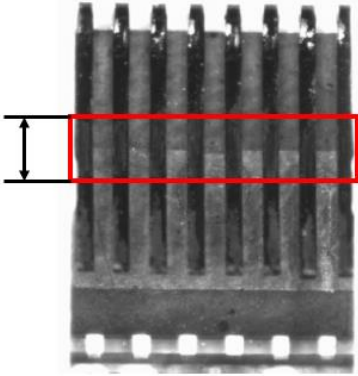
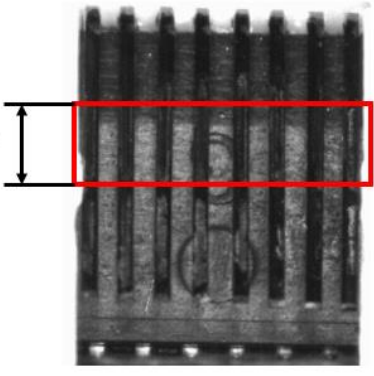
In order to enhance the product quality and reliability, Würth Elektronik will change the golden contact spring from a straight form into an R-Shape. Affected part numbers are:

-7499311614
-7499511440
-7499411121A
-7499411122A
-7499411123A
-7499511001A
-7499511002A
-7499511611A
-S16100024
-S16100075
-S17100010

There will be no change in fit and function of the product.

All products with date code January 30th, 2018 or later will be affected by this change.

DETAIL OF CHANGE:

<p>OLD</p> <p>RJ45 insert with contact springs</p>  <p>A 3D CAD model of an RJ45 insert. The contact springs are shown in a straight, parallel configuration. The insert is shown in a perspective view, highlighting the arrangement of the contact pins and the underlying spring structure.</p>	<p>NEW</p>  <p>A 3D CAD model of the new RJ45 insert. The contact springs are now curved into an R-shape. A blue arrow points to the curved end of one of the springs, indicating the change in geometry.</p> <p>The golden contact spring will be changed from a straight form into an R-Shape.</p>
<p>OLD</p> <p>Contact spring with marked contact area (top view)</p>  <p>1.5-1.6 mm</p> <p>A top-down view of the old contact spring. A red rectangular box highlights the contact area. A vertical double-headed arrow to the left of the box indicates a width of 1.5-1.6 mm.</p>	<p>NEW</p>  <p>1.85-2.1 mm</p> <p>A top-down view of the new contact spring. A red rectangular box highlights the contact area. A vertical double-headed arrow to the left of the box indicates a width of 1.85-2.1 mm.</p> <p>The change in the contact spring form will increase the contact area from ~1.5-1.6mm to ~1.85-2.1 mm</p>

RELIABILITY / QUALIFICATION SUMMARY:

- Durability according to IEC 60512, Test 9a, 13b/ EIA -364-09
- Dynamic pull test according to EIA-364-98
- Mating and un-mating force test according to EIA -364-13
- Insertion contact zone measurement

DATA SHEET CHANGE:

Yes

No

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