



Product / Process Change Notification (PCN)

- Major change
 Minor change

PCN #: PCN_ConMJ_20231009

Affected Series: WR-MJ-Series;
 615008140121
 615008142621
 615008138221
 615008138021
 615008137421

PCN Date: July 07, 2023

Effective Date: October 09, 2023

Change Category:

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

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 is upgrading the design and industrial processes for this product.

All products with date code 2023-04-04 or later, will be affected by this change.

There will be no change in function of the product.

Detail of Change:

The change is a total overhaul of the Modular Jack design and production for the 5 references.

Retention Peg:

615008140121: The Retention Peg has been shortened to revert back to the pre-2022 change to maximize compatibility.

615008142621, 615008138221, 615008138021: the Retention Peg design has been slightly changed to allow a better insertion on PCB

Housing:

615008142621: Option has been added for another pair of contacts
 615008140121: Standoff has been added to the housing to improve soldering
 615008138221, 615008138021: general housing appearance change

Shielding:

615008140121, 615008142621, 615008138221: Back shielding assembly has been simplified.

Outer Dimensions:

All parts: Outer dimensions are adjusted to better reflect current conditions.

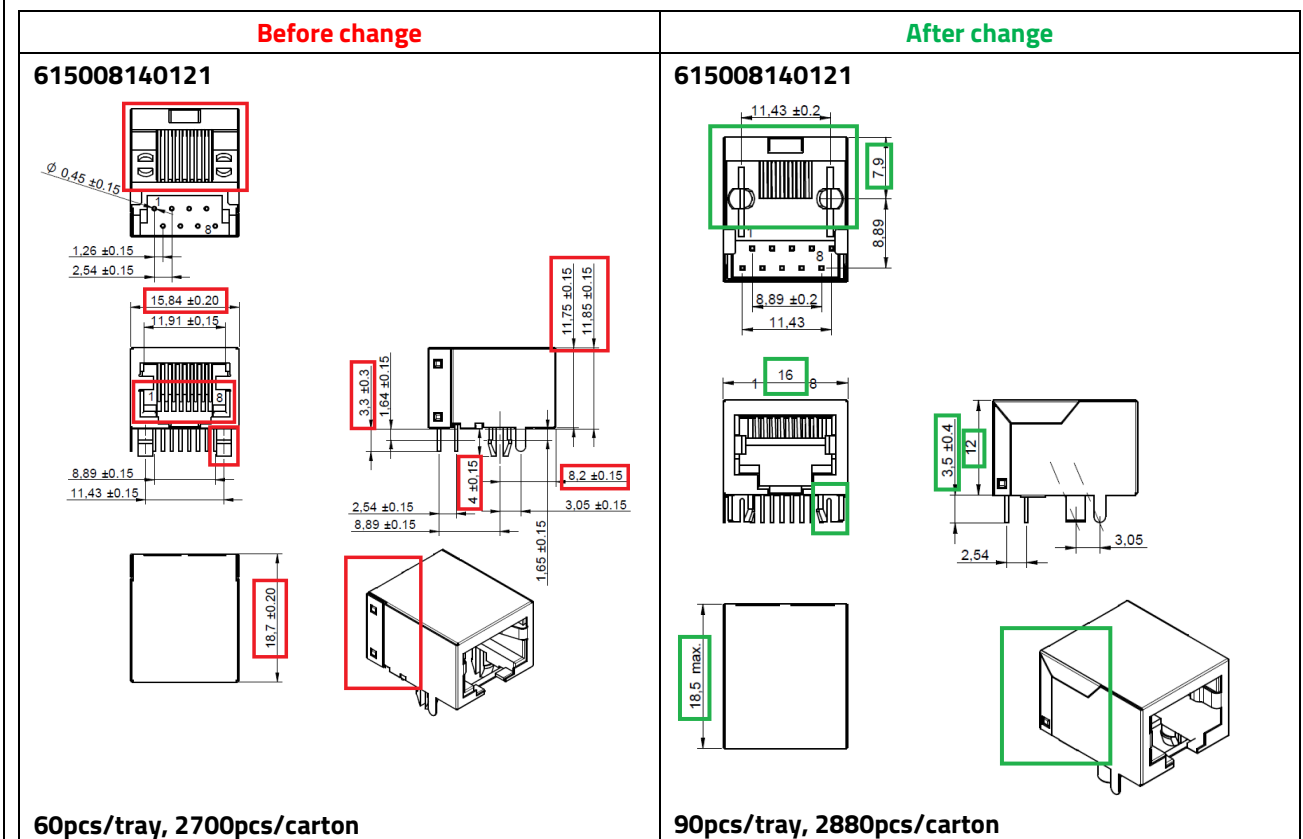
PCB Layout:

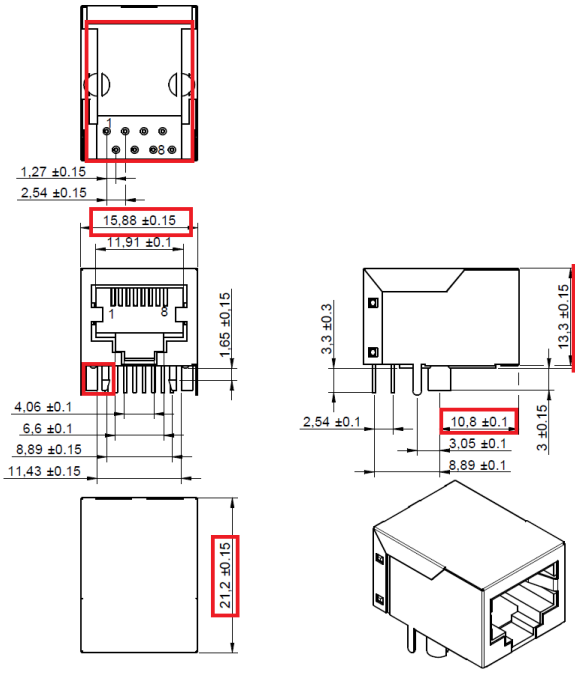
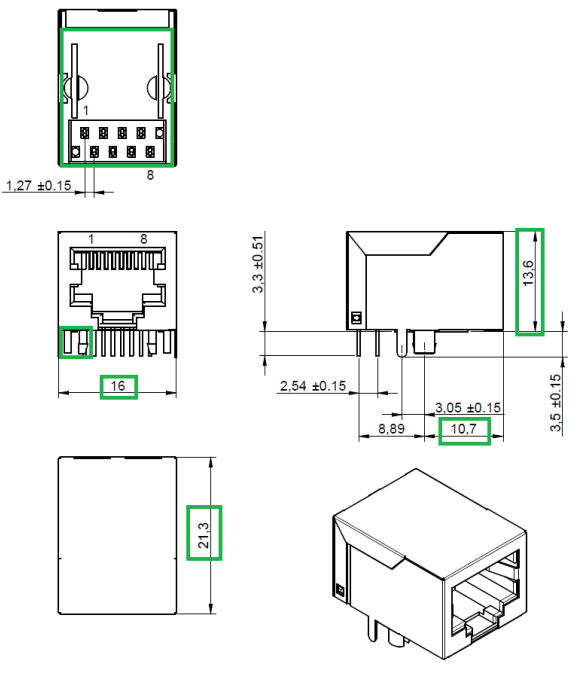
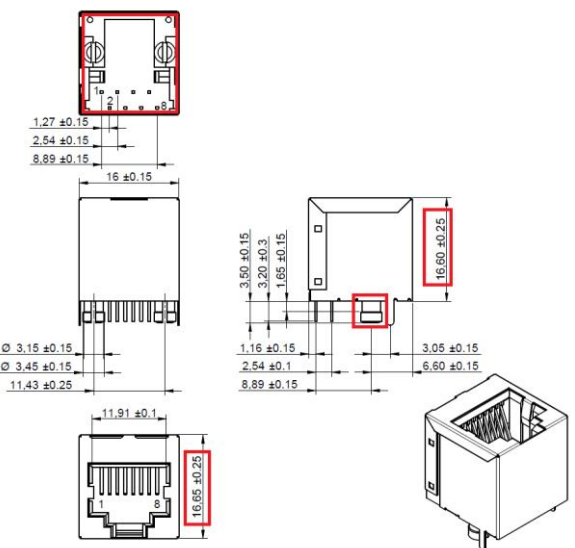
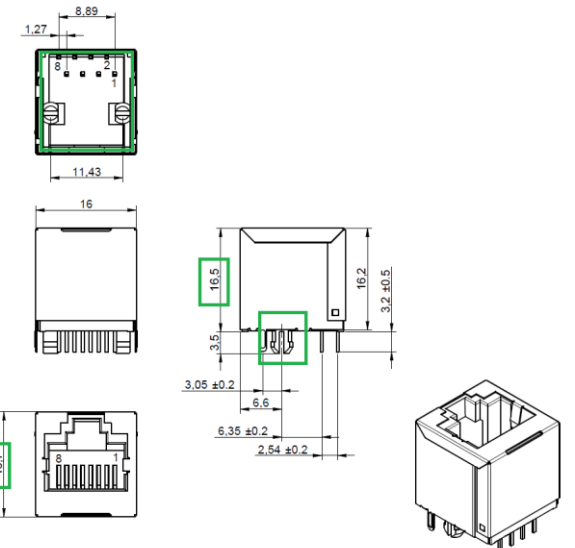
All parts: The PCB layout does not change compared to the previous version.

Product lot number is adjusted to the new assembly site :

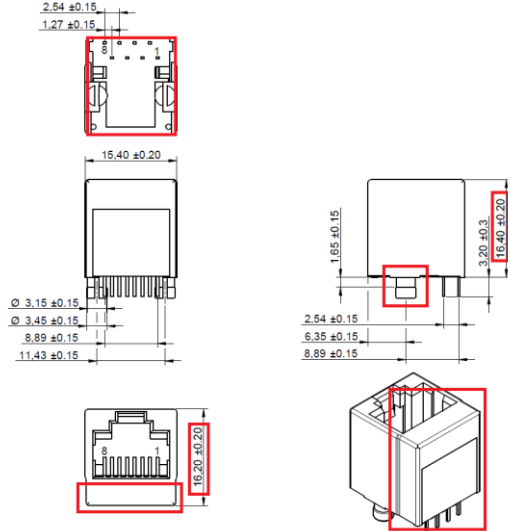
- Before change : 243xxx
- After change : 425xxx

New packaging standard, adjusted to have the same external dimensions across references, see below.



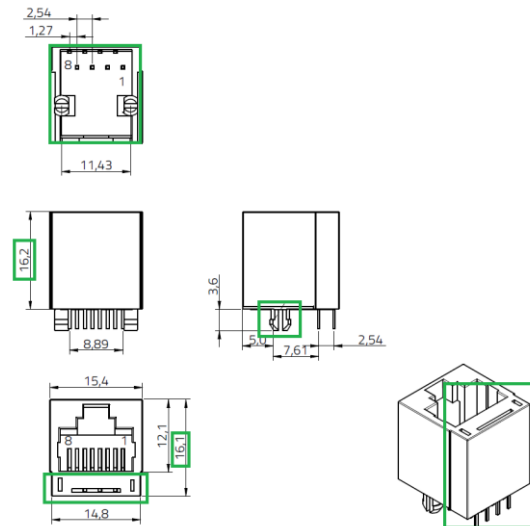
<p>615008142621</p>  <p>1.27 ±0.15 2.54 ±0.15 15.88 ±0.15 11.91 ±0.1 1.66 ±0.15 3.3 ±0.3 13.3 ±0.15 13.65 ±0.15 3 ±0.15 2.54 ±0.1 10.8 ±0.1 3.05 ±0.1 8.89 ±0.1 4.06 ±0.1 6.6 ±0.1 8.89 ±0.15 11.43 ±0.15 21.2 ±0.15</p> <p>80pcs/tray, 3200pcs/carton</p>	<p>615008142621</p>  <p>1.27 ±0.15 8 16 3.3 ±0.51 13.6 2.54 ±0.15 8.89 3.05 ±0.15 10.7 3.5 ±0.15 21.3</p> <p>70pcs/tray, 1680pcs/carton</p>
<p>615008138221</p>  <p>1.27 ±0.15 2.54 ±0.15 8.89 ±0.15 16 ±0.15 3.50 ±0.15 3.20 ±0.3 1.66 ±0.15 19.50 ±0.25 1.16 ±0.15 3.05 ±0.15 2.54 ±0.1 6.60 ±0.15 8.89 ±0.15 11.91 ±0.1 16.65 ±0.25</p> <p>80pcs/tray, 2400pcs/carton</p>	<p>615008138221</p>  <p>8.89 1.27 11.43 16 16.5 16.2 3.2 ±0.5 3.5 3.05 ±0.2 6.6 6.35 ±0.2 2.54 ±0.2 16.7</p> <p>70pcs/tray, 1960pcs/carton</p>

615008138021



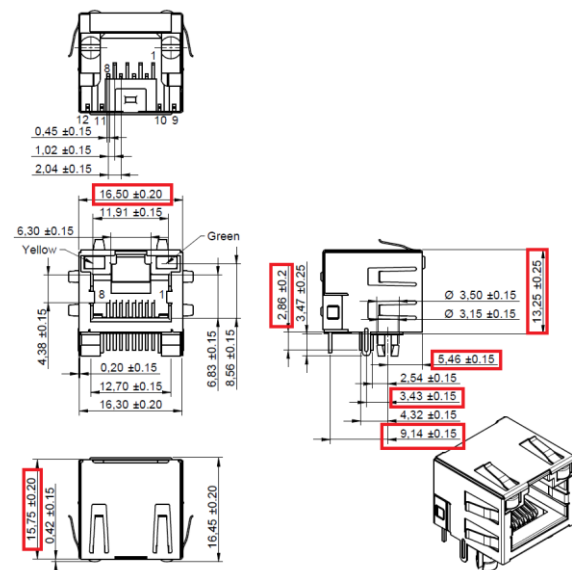
168pcs/tray, 3024pcs/carton

615008138021



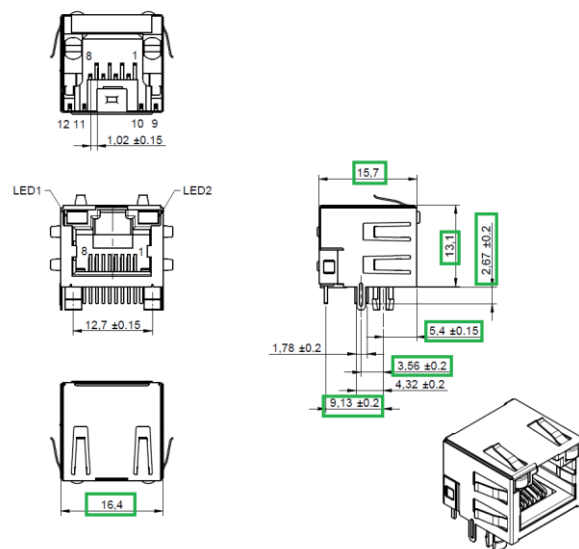
100pcs/tray, 3200pcs/carton

615008137421



60pcs/tray, 2700pcs/carton

615008137421



70pcs/tray, 2100pcs/carton



Reliability / Qualification Summary:

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

The following items are part of the internal release process:

- Visual Appearance (Surface, Burr, Contaminations, ...)
- Mechanical Parameters (as specified in the Reliability Test Report)
- Environmental Parameters (as specified in the Reliability Test Report)
- Electrical Parameters (as specified in the Reliability Test Report)
- Approval of production line