

Würth Elektronik eiSos GmbH & Co. KG

EMC & Inductive Solutions

Max-Eyth-Straße 1 · 74638 Waldenburg · Germany

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## Product / Process Change Notification (PCN)

- Major change  
 Minor change

**PCN #:** PCN\_UtRJ45LAN\_20210728  
**Affected Series:** WE-UtRJ45LAN-Series; 7499xxx  
**PCN Date:** April 28, 2021  
**Effective Date:** July 28, 2021

### 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 line with internal standardization, Würth Elektronik will update the data sheet format to actual WE data sheet design and several data sheet values shown in "Detail of change".

This is a datasheet correction only. There will be no change in form, fit, function, quality or reliability of the product.

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## DETAIL OF CHANGE:

In the following the updates/changes are shown.

1. Dimensions drawings from "max. values" to "tolerance values" with standardization of these dimensions

Before PCN	After PCN
<p>Scale - 1:1</p>	

Affected part numbers for above dimensions: 7499511440, 7499511611A, 7499511002A, 7499511001A, 7499511420, 7499510002, 7499411123A, 7499411122A, 7499411121A, 7499211261

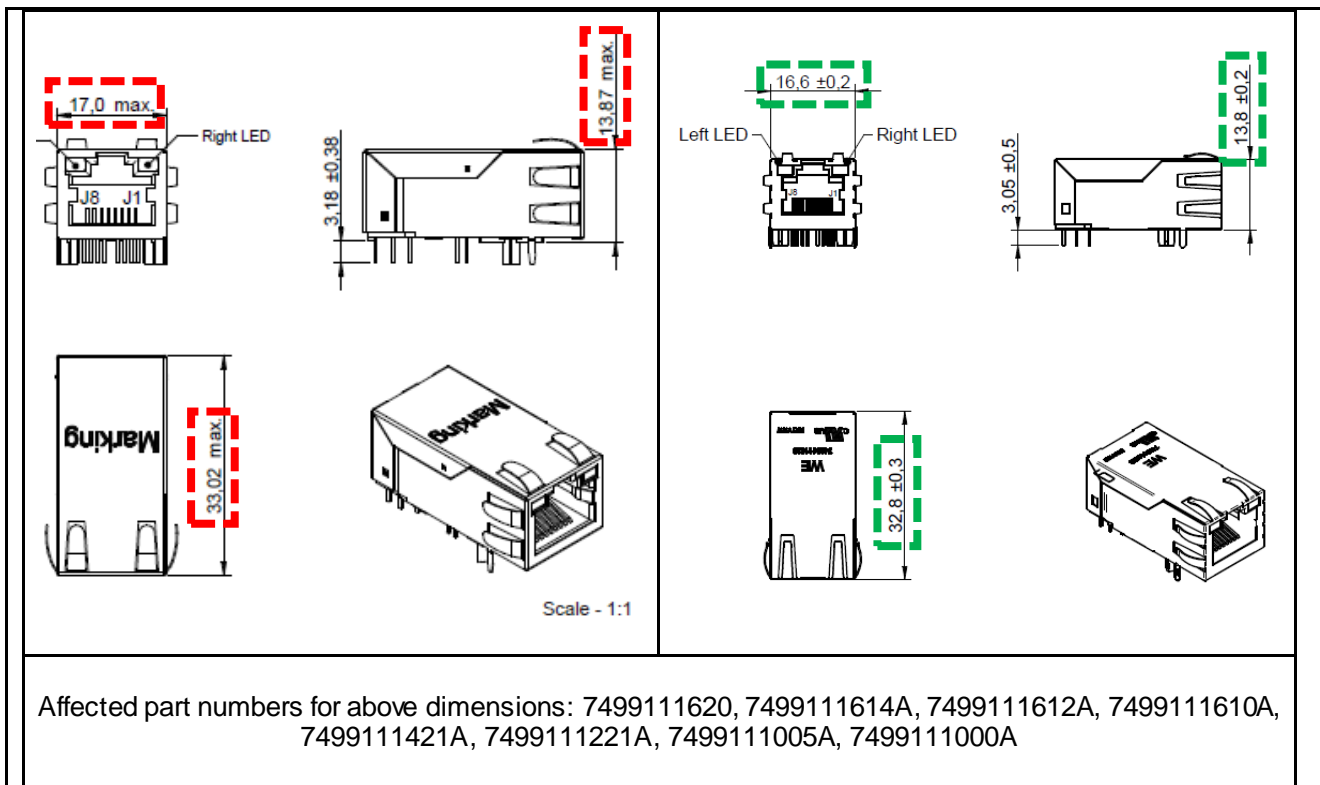
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2. Standardization of frequency ranges, the following table is showing the frequency ranges after PCN:

Part Numbers	Parameter	Frequency ranges
7499511440 7499411121A 7499211261 7499111620 7499111610A 7499111421A	IL	1 – 100 MHz
	RL	1 – 30 MHz 30 – 60 MHz 60 – 80 MHz 80 – 100 MHz
	CMR	1 – 30 MHz 30 – 60 MHz 60 – 100 MHz
	CT	1 – 60 MHz 60 – 100 MHz
7499511611A 7499511002A 7499511001A 7499510002 7499411123A 7499411122A 7499111614A 7499111612A 7499111221A 7499111005A 7499111000A	IL	1 – 100 MHz
	RL	1 – 30 MHz 30 – 60 MHz 60 – 80 MHz 80 – 100 MHz
	CMR	1 – 100 MHz 100 – 250 MHz 250 – 500 MHz

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	CT	1 – 100 MHz 100 – 500 MHz	
3. Update of IL, RL, CMR & CT values due to data sheet mismatch. Only the values which will change are shown.			
Part number	S-Parameter	Before PCN [dB]	After PCN [dB]
7499511440	IL	-1,1	-1,2
	RL	no value given (30 – 60 MHz)	-13,5 (30 – 60 MHz)
	CMR	-30 (1 – 50 MHz) -20 (50 – 130 MHz)	-35 (1 – 30 MHz) -32 (30 – 60 MHz) -30 (60 – 100 MHz)
7499511002A	IL	-1,0	-1,2
	CT	-30 (1 – 100 MHz)	-28 (1 – 100 MHz)
7499511001A	CT	-30 (1 – 100 MHz)	-28 (1 – 100 MHz)
7499510002	IL	-1,0	-1,2
	RL	-18 (1 – 30 MHz)	-16 (1 – 30 MHz)
7499411123A	CT	-30 (1 – 100 MHz)	-28 (1 – 100 MHz)
7499411122A	IL	-1,3	-1,0
	RL	no value given (30 – 60 MHz)	-13,5 (30 – 60 MHz)
7499411121A	CT	-30 (1 – 100 MHz)	-30 (1 – 60 MHz) -28 (60 – 100 MHz)
7499211261	RL	-18 (1 – 10 MHz) -16 (10 – 30 MHz)	-18 (1 – 30 MHz)
7499111620	IL	-1,9	-1,0
	RL	-12 (60 – 80 MHz)	-10 (60 – 800 MHz)
7499111614A	RL	-20 (1 – 10 MHz) -16 (10 – 30 MHz) -12 (30 – 60 MHz) -10 (60 – 80 MHz)	-18 (1 – 30 MHz) -13,5 (30 – 60 MHz) -12 (60 – 80 MHz)
	CMR	-25 (1 – 500 MHz)	-30 (1 – 100 MHz) -24 (100 – 250 MHz) -20 (250 – 500 MHz)

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	CT	-40 (1 – 30 MHz) -35 (30 – 60 MHz) -30 (60 – 100 MHz)	-32 (1 – 100 MHz) -15 (100 – 500 MHz)
7499111612A	IL	-1,5	-1,0
	RL	-10 (60 – 80 MHz)	-9 (60 – 80 MHz)
	CMR	-30 (1 – 500 MHz)	-30 (1 – 100 MHz) -24 (100 – 250 MHz) -20 (250 – 500 MHz)
7499111610A	RL	-14 (30 – 60 MHz)	-13,5 (30 – 60 MHz)
	CT	-30 (1 – 100 MHz)	-30 (1 – 60 MHz) -28 (60 – 100 MHz)
7499111421A	CT	-30 (1 – 100 MHz)	-30 (1 – 60 MHz) -28 (60 – 100 MHz)
7499111221A	RL	-12 (60 – 80 MHz)	-11 (60 – 80 MHz)
7499111005A	CT	-35 (1 – 100 MHz)	-30 (1 – 100 MHz)

Overview of part numbers taking part in this PCN:

7499511440	7499511611A	7499511002A	7499511001A	7499511420	7499510002
7499411123A	7499411122A	7499411121A	7499211261	7499111620	7499111614A
7499111612A	7499111610A	7499111421A	7499111221A	7499111005A	7499111000A

**RELIABILITY / QUALIFICATION SUMMARY:**

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