

<b>Title of Change:</b>	Change the RX threshold level to 615mV average, still within the KNX standard specification.
<b>Effective date:</b>	30 Nov 2023
<b>Contact information:</b>	Contact your local onsemi Sales Office or <a href="mailto:Ivo.Rotthier@onsemi.com">Ivo.Rotthier@onsemi.com</a>
<b>Type of notification:</b>	This Product Bulletin is for notification purposes only. onsemi will proceed with implementation of this change upon publication of this Product Bulletin.
<b>Change Category:</b>	Datasheet update
<b>Change Sub-Category(s):</b>	Datasheet/Product Doc change

**Sites Affected:**

<b>onsemi Sites</b>	<b>External Foundry/Subcon Sites</b>
None	None

**Description and Purpose:**

This notification announces that onsemi has changed the RX threshold level to 615mV on average, still within the KNX standard specification.

What	Current	New
<b>Datasheet</b>	<p>KNX Bus Receiver</p> <p>The receiver detects the beginning and the end of the active pulse.</p> <p>The detection threshold for the start of the active pulse is -0.45 V (typ.) below the average bus voltage.</p> <p>The detection threshold for the end of the active pulse is -0.2 V (typ.) below the average bus voltage giving a hysteresis of 0.25 V (typ.).</p>	<p>KNX Bus Receiver</p> <p>The KNX bus receiver must detect the beginning and the end of the active pulse.</p> <p>The detection threshold for the start of the active pulse is -0.61 V below the average bus voltage.</p> <p>The detection threshold for the end of the active pulse is -0.23 V below the average bus voltage.</p> <p>Thus, the receiver hysteresis is 0.38 V.</p>

**List of Affected Standard Parts:**

**Note:** Only the standard (off the shelf) part numbers are listed in the parts list. Any custom parts affected by this PCN are shown in the customer specific PCN addendum in the PCN email notification, or on the [\*\*PCN Customized Portal\*\*](#).

NCN5110MNTWG	NCN5121MNTWG	NCN5130MNTWG
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Appendix A: Changed Products

PCN#: PB24807X  
Issue Date: Nov 30, 2023

DIKG: DIGI-KEY

Product	Customer Part Number	Qualification Vehicle	New Part Number	Replacement Supplier
NCN5110MNTWG		NCN5130MNTWG		
NCN5130MNTWG		NCN5130MNTWG		
NCN5121MNTWG	21420-002-XTP	NCN5130MNTWG		