

<b>Title of Change:</b>	Datasheet Update- Note Removal for NUF440x Case Drawing 506AK-01 and Add additional GND indication on bottom view of pin diagram in datasheet
<b>Effective date:</b>	16 Jun 2025
<b>Contact information:</b>	Contact your local onsemi Sales Office
<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 product bulletin is to inform customers of note removal for NUF440x Case Drawing 506AK-01 and an addition GND indication on bottom view of pin diagram in datasheet.

There is no change in the physical product.

Before	After																																				
<p>DFN8 CASE 506AK ISSUE C DATE 30 SEP 2005</p> <p>NOTES:        1. DIMENSIONING AND TOLERANCING PER ASME Y14.5M, 1994.        2. CONTROLLING DIMENSION: MILLIMETERS.        3. DIMENSION H APPLIES TO THE EXPOSED PAD AS WELL AS THE TERMINALS.        4. EXPOSED PADS CONNECTED TO DIE FLAG USED AS TEST CONTACTS.</p> <p>MILLIMETERS        DIM MIN MAX        A 0.80 1.00        A1 0.90 0.95        A3 0.20 REF        B 0.15 0.25        D 1.60 BSC        D1 0.70 0.90        E 1.60 BSC        E1 0.30 0.50        K 0.40 BSC        L 0.20 0.40</p>	<p>DFN8 CASE 506AK ISSUE C</p> <p>NOTES:        1. DIMENSIONING AND TOLERANCING PER ASME Y14.5M, 1994.        2. CONTROLLING DIMENSION: MILLIMETERS.        3. DIMENSION H APPLIES TO THE EXPOSED PAD AS WELL AS THE TERMINALS.</p> <p>MILLIMETERS        DIM MIN MAX        A 0.80 1.00        A1 0.90 0.95        A3 0.20 REF        B 0.15 0.25        D 1.60 BSC        D1 0.70 0.90        E 1.60 BSC        E1 0.30 0.50        K 0.40 BSC        L 0.20 0.40</p>																																				
<p>Bottom View</p> <p>Pin Diagram</p> <p>Table 1. FUNCTIONAL PIN DESCRIPTION</p> <table border="1"> <thead> <tr> <th>Filter</th> <th>Device Pins</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Filter 1</td> <td>1 &amp; 8</td> <td>Filter + ESD Channel 1</td> </tr> <tr> <td>Filter 2</td> <td>2 &amp; 7</td> <td>Filter + ESD Channel 2</td> </tr> <tr> <td>Filter 3</td> <td>3 &amp; 6</td> <td>Filter + ESD Channel 3</td> </tr> <tr> <td>Filter 4</td> <td>4 &amp; 5</td> <td>Filter + ESD Channel 4</td> </tr> <tr> <td>Ground Pad</td> <td>GND</td> <td>Ground</td> </tr> </tbody> </table>	Filter	Device Pins	Description	Filter 1	1 & 8	Filter + ESD Channel 1	Filter 2	2 & 7	Filter + ESD Channel 2	Filter 3	3 & 6	Filter + ESD Channel 3	Filter 4	4 & 5	Filter + ESD Channel 4	Ground Pad	GND	Ground	<p>(Bottom View)</p> <p>Figure 3. Pin Diagram</p> <p>Table 1. FUNCTIONAL PIN DESCRIPTION</p> <table border="1"> <thead> <tr> <th>Filter</th> <th>Device Pins</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Filter 1</td> <td>1 &amp; 8</td> <td>Filter + ESD Channel 1</td> </tr> <tr> <td>Filter 2</td> <td>2 &amp; 7</td> <td>Filter + ESD Channel 2</td> </tr> <tr> <td>Filter 3</td> <td>3 &amp; 6</td> <td>Filter + ESD Channel 3</td> </tr> <tr> <td>Filter 4</td> <td>4 &amp; 5</td> <td>Filter + ESD Channel 4</td> </tr> <tr> <td>Ground Pad</td> <td>GND</td> <td>Ground</td> </tr> </tbody> </table>	Filter	Device Pins	Description	Filter 1	1 & 8	Filter + ESD Channel 1	Filter 2	2 & 7	Filter + ESD Channel 2	Filter 3	3 & 6	Filter + ESD Channel 3	Filter 4	4 & 5	Filter + ESD Channel 4	Ground Pad	GND	Ground
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**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**.

NUF4403MNT1G	NUF4402MNT1G	
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