

| <b>PCN Number:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 20240304001.0            |              | <b>PCN Date:</b> | March 04, 2024 |                                                                    |              |                                                                                    |           |                                                                                                                                                           |          |                                                                                |    |                                                                                                                                                          |    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------|------------------|----------------|--------------------------------------------------------------------|--------------|------------------------------------------------------------------------------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------------------------------------------------------------------------|----|----------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| <b>Title:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Datasheet for TLVM236x5  |              |                  |                |                                                                    |              |                                                                                    |           |                                                                                                                                                           |          |                                                                                |    |                                                                                                                                                          |    |
| <b>Customer Contact:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Change Management team   | <b>Dept:</b> | Quality Services |                |                                                                    |              |                                                                                    |           |                                                                                                                                                           |          |                                                                                |    |                                                                                                                                                          |    |
| <b>Change Type:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Electrical Specification |              |                  |                |                                                                    |              |                                                                                    |           |                                                                                                                                                           |          |                                                                                |    |                                                                                                                                                          |    |
| <b>PCN Details</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                          |              |                  |                |                                                                    |              |                                                                                    |           |                                                                                                                                                           |          |                                                                                |    |                                                                                                                                                          |    |
| <b>Description of Change:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |              |                  |                |                                                                    |              |                                                                                    |           |                                                                                                                                                           |          |                                                                                |    |                                                                                                                                                          |    |
| <p>Texas Instruments Incorporated is announcing an information only notification. The product datasheet(s) is being updated as summarized below. The following change history provides further details.</p> <div style="display: flex; justify-content: space-between; align-items: center;">  <div style="text-align: right;"> <b>TLVM23615, TLVM23625</b><br/> <small>SNVSCI2B – FEBRUARY 2023 – REVISED FEBRUARY 2024</small> </div> </div> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Changes from Revision A (March 2023) to Revision B (February 2024)</th> <th style="text-align: right;">Page</th> </tr> </thead> <tbody> <tr> <td>• Updated <i>Efficiency vs Output Current</i> <math>V_{IN} = 24V</math> figure 1MHz data.....</td> <td style="text-align: right;">1</td> </tr> <tr> <td>• Changed system characteristics' efficiency specification from 86%, 84%, 88%, and 86% to 84%, 83%, 87%, and 86%. Deleted <math>V_{LDOIN}</math> test condition.....</td> <td style="text-align: right;">5</td> </tr> <tr> <td>• Changed <i>Table 7-1</i> <math>1 V_{OUT}</math>, <math>R_{FBT} = 10k\Omega</math> from short.....</td> <td style="text-align: right;">13</td> </tr> <tr> <td>• Updated 1MHz data for <i>Figure 8-3</i>, <i>Figure 8-4</i>, <i>Figure 8-6</i>, <i>Figure 8-7</i>, <i>Figure 8-9</i>, and <i>Figure 8-10</i> .....</td> <td style="text-align: right;">33</td> </tr> </tbody> </table> |                          |              |                  |                | Changes from Revision A (March 2023) to Revision B (February 2024) | Page         | • Updated <i>Efficiency vs Output Current</i> $V_{IN} = 24V$ figure 1MHz data..... | 1         | • Changed system characteristics' efficiency specification from 86%, 84%, 88%, and 86% to 84%, 83%, 87%, and 86%. Deleted $V_{LDOIN}$ test condition..... | 5        | • Changed <i>Table 7-1</i> $1 V_{OUT}$ , $R_{FBT} = 10k\Omega$ from short..... | 13 | • Updated 1MHz data for <i>Figure 8-3</i> , <i>Figure 8-4</i> , <i>Figure 8-6</i> , <i>Figure 8-7</i> , <i>Figure 8-9</i> , and <i>Figure 8-10</i> ..... | 33 |
| Changes from Revision A (March 2023) to Revision B (February 2024)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Page                     |              |                  |                |                                                                    |              |                                                                                    |           |                                                                                                                                                           |          |                                                                                |    |                                                                                                                                                          |    |
| • Updated <i>Efficiency vs Output Current</i> $V_{IN} = 24V$ figure 1MHz data.....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1                        |              |                  |                |                                                                    |              |                                                                                    |           |                                                                                                                                                           |          |                                                                                |    |                                                                                                                                                          |    |
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| • Changed <i>Table 7-1</i> $1 V_{OUT}$ , $R_{FBT} = 10k\Omega$ from short.....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 13                       |              |                  |                |                                                                    |              |                                                                                    |           |                                                                                                                                                           |          |                                                                                |    |                                                                                                                                                          |    |
| • Updated 1MHz data for <i>Figure 8-3</i> , <i>Figure 8-4</i> , <i>Figure 8-6</i> , <i>Figure 8-7</i> , <i>Figure 8-9</i> , and <i>Figure 8-10</i> .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 33                       |              |                  |                |                                                                    |              |                                                                                    |           |                                                                                                                                                           |          |                                                                                |    |                                                                                                                                                          |    |
| <p>The datasheet number will be changing.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Device Family</th> <th style="text-align: left;">Change From:</th> <th style="text-align: left;">Change To:</th> </tr> </thead> <tbody> <tr> <td>TLVM236x5</td> <td>SNVSCI2A</td> <td>SNVSCI2B</td> </tr> </tbody> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                          |              |                  |                | Device Family                                                      | Change From: | Change To:                                                                         | TLVM236x5 | SNVSCI2A                                                                                                                                                  | SNVSCI2B |                                                                                |    |                                                                                                                                                          |    |
| Device Family                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Change From:             | Change To:   |                  |                |                                                                    |              |                                                                                    |           |                                                                                                                                                           |          |                                                                                |    |                                                                                                                                                          |    |
| TLVM236x5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | SNVSCI2A                 | SNVSCI2B     |                  |                |                                                                    |              |                                                                                    |           |                                                                                                                                                           |          |                                                                                |    |                                                                                                                                                          |    |
| <p>These changes may be reviewed at the datasheet links provided.<br/> <a href="http://www.ti.com/product/TLVM23615">http://www.ti.com/product/TLVM23615</a></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                          |              |                  |                |                                                                    |              |                                                                                    |           |                                                                                                                                                           |          |                                                                                |    |                                                                                                                                                          |    |
| <b>Reason for Change:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                          |              |                  |                |                                                                    |              |                                                                                    |           |                                                                                                                                                           |          |                                                                                |    |                                                                                                                                                          |    |
| To accurately reflect device characteristics.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |              |                  |                |                                                                    |              |                                                                                    |           |                                                                                                                                                           |          |                                                                                |    |                                                                                                                                                          |    |
| <b>Anticipated impact on Fit, Form, Function, Quality or Reliability (positive / negative):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                          |              |                  |                |                                                                    |              |                                                                                    |           |                                                                                                                                                           |          |                                                                                |    |                                                                                                                                                          |    |
| No anticipated impact. This is a specification change announcement only. There are no changes to the actual device                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                          |              |                  |                |                                                                    |              |                                                                                    |           |                                                                                                                                                           |          |                                                                                |    |                                                                                                                                                          |    |
| <b>Changes to product identification resulting from this PCN:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                          |              |                  |                |                                                                    |              |                                                                                    |           |                                                                                                                                                           |          |                                                                                |    |                                                                                                                                                          |    |
| None.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                          |              |                  |                |                                                                    |              |                                                                                    |           |                                                                                                                                                           |          |                                                                                |    |                                                                                                                                                          |    |
| <b>Product Affected:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                          |              |                  |                |                                                                    |              |                                                                                    |           |                                                                                                                                                           |          |                                                                                |    |                                                                                                                                                          |    |
| TLVM23615RDNR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | TLVM23625RDNR            |              |                  |                |                                                                    |              |                                                                                    |           |                                                                                                                                                           |          |                                                                                |    |                                                                                                                                                          |    |

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