

PCN Number:	20240520007.0		PCN Date:	May 24, 2024																								
Title:	Datasheet for TPSM336x5																											
Customer Contact:	Change Management team	Dept:	Quality Services																									
Change Type:	Electrical Specification																											
PCN Details																												
Description of Change:																												
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.  TPSM33615, TPSM33625 SNVSCB1C – DECEMBER 2022 – REVISED FEBRUARY 2024 <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Changes from Revision B (March 2023) to Revision C (February 2024)</th> <th style="text-align: right;">Page</th> </tr> </thead> <tbody> <tr> <td>• Added TPSM365R15 as pin-to-pin device.....</td> <td style="text-align: right;">1</td> </tr> <tr> <td>• Updated Efficiency vs Output Current $V_{IN} = 24V$ figure 1MHz data.....</td> <td style="text-align: right;">1</td> </tr> <tr> <td>• Added MODE/SYNC pin definition.....</td> <td style="text-align: right;">4</td> </tr> <tr> <td>• Added absolute maximum rating for MODE/SYNC</td> <td style="text-align: right;">5</td> </tr> <tr> <td>• Added recommended operations conditions' test condition, TPSM33625/TPSM33615, for output current specification.....</td> <td style="text-align: right;">5</td> </tr> <tr> <td>• Changed system characteristics' efficiency specification from 86%, 84%, 88%, 86%, and 95% to 84%, 83%, 87%, 86%, and 94%. Deleted V_{LDOIN} test condition.....</td> <td style="text-align: right;">5</td> </tr> <tr> <td>• Changed Table 7-1, 1 V_{out}, $R_{FBT} = 10k\Omega$ from short.....</td> <td style="text-align: right;">13</td> </tr> <tr> <td>• Added web link to the WEBENCH Design Center.....</td> <td style="text-align: right;">30</td> </tr> <tr> <td>• Updated Equation 14 to have V_{OUT} term from h.....</td> <td style="text-align: right;">32</td> </tr> <tr> <td>• Updated 1MHz data for Figure 8-3, Figure 8-4, Figure 8-6, Figure 8-7, Figure 8-9, and Figure 8-10</td> <td style="text-align: right;">34</td> </tr> <tr> <td>• Added web link to the WEBENCH Design Center.....</td> <td style="text-align: right;">41</td> </tr> </tbody> </table>					Changes from Revision B (March 2023) to Revision C (February 2024)	Page	• Added TPSM365R15 as pin-to-pin device.....	1	• Updated Efficiency vs Output Current $V_{IN} = 24V$ figure 1MHz data.....	1	• Added MODE/SYNC pin definition.....	4	• Added absolute maximum rating for MODE/SYNC	5	• Added recommended operations conditions' test condition, TPSM33625/TPSM33615, for output current specification.....	5	• Changed system characteristics' efficiency specification from 86%, 84%, 88%, 86%, and 95% to 84%, 83%, 87%, 86%, and 94%. Deleted V_{LDOIN} test condition.....	5	• Changed Table 7-1 , 1 V_{out} , $R_{FBT} = 10k\Omega$ from short.....	13	• Added web link to the WEBENCH Design Center.....	30	• Updated Equation 14 to have V_{OUT} term from h.....	32	• Updated 1MHz data for Figure 8-3 , Figure 8-4 , Figure 8-6 , Figure 8-7 , Figure 8-9 , and Figure 8-10	34	• Added web link to the WEBENCH Design Center.....	41
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These changes may be reviewed at the datasheet links provided. http://www.ti.com/product/TPSM33615																												
Reason for Change:																												
To accurately reflect device characteristics.																												
Anticipated impact on Fit, Form, Function, Quality or Reliability (positive / negative):																												
No anticipated impact. This is a specification change announcement only. There are no changes to the actual device.																												
Changes to product identification resulting from this PCN:																												
None.																												
Product Affected:																												
TPSM33615FRDNR	TPSM33615RDNR	TPSM33625FRDNR	TPSM33625RDNR																									

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