


PCN Number:	20230614007.0		PCN Date:	June 15, 2023																																
Title:	Datasheet for TMP1826																																			
Customer Contact:	Change Management team	Dept:	Quality Services																																	
Change Type:	Electrical Specification																																			
PCN Details																																				
Description of Change:																																				
<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;"> TMP1826 <small>SBOSA45C – FEBRUARY 2022 – REVISED MAY 2023</small> </div> </div> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Changes from Revision B (December 2022) to Revision C (May 2023)</th> <th style="text-align: right;">Page</th> </tr> </thead> <tbody> <tr> <td>• Removed preview note from WSON package option.....</td> <td style="text-align: right;">1</td> </tr> <tr> <td>• Added device comparison table.....</td> <td style="text-align: right;">4</td> </tr> <tr> <td>• Changed maximum operating temperature range for standard speed mode in footnote 2.....</td> <td style="text-align: right;">6</td> </tr> <tr> <td>• Changed NGR package maximum accuracy for +10°C to +45°C from ±0.3°C to ±0.2°C and full range from ±1.0°C to ±0.4°C.....</td> <td style="text-align: right;">6</td> </tr> <tr> <td>• Changed V_{IL} of IO from 0.2×V_S to 0.3×V_S</td> <td style="text-align: right;">6</td> </tr> <tr> <td>• Changed V_{IH} of IO from 0.8×V_S to 0.7×V_S</td> <td style="text-align: right;">6</td> </tr> <tr> <td>• Added standby current specification for continuous conversion mode.....</td> <td style="text-align: right;">6</td> </tr> <tr> <td>• Changed t_{SLOT} minimum in standard mode from 60 μs to t_{WRDL} + t_{RC}</td> <td style="text-align: right;">8</td> </tr> <tr> <td>• Removed t_{SLOT} maximum in standard mode.....</td> <td style="text-align: right;">8</td> </tr> <tr> <td>• Changed t_{SLOT} minimum in overdrive mode from 11 μs to t_{WRDL} + t_{RC}</td> <td style="text-align: right;">8</td> </tr> <tr> <td>• Changed t_{REC} in overdrive speed from 10 μs to 2 μs.....</td> <td style="text-align: right;">8</td> </tr> <tr> <td>• Changed t_{RL} minimum from 2 μs to 2.5 μs.....</td> <td style="text-align: right;">8</td> </tr> <tr> <td>• Changed t_{READIDLE} from 400 μs to 560 μs.....</td> <td style="text-align: right;">8</td> </tr> <tr> <td>• Changed I_{DD_PROG} from 214 μA to 230 μA.....</td> <td style="text-align: right;">8</td> </tr> <tr> <td>• Added continuous conversion mode for V_{DD} powered mode.....</td> <td style="text-align: right;">27</td> </tr> </tbody> </table>					Changes from Revision B (December 2022) to Revision C (May 2023)	Page	• Removed preview note from WSON package option.....	1	• Added device comparison table.....	4	• Changed maximum operating temperature range for standard speed mode in footnote 2.....	6	• Changed NGR package maximum accuracy for +10°C to +45°C from ±0.3°C to ±0.2°C and full range from ±1.0°C to ±0.4°C.....	6	• Changed V _{IL} of IO from 0.2×V _S to 0.3×V _S	6	• Changed V _{IH} of IO from 0.8×V _S to 0.7×V _S	6	• Added standby current specification for continuous conversion mode.....	6	• Changed t _{SLOT} minimum in standard mode from 60 μs to t _{WRDL} + t _{RC}	8	• Removed t _{SLOT} maximum in standard mode.....	8	• Changed t _{SLOT} minimum in overdrive mode from 11 μs to t _{WRDL} + t _{RC}	8	• Changed t _{REC} in overdrive speed from 10 μs to 2 μs.....	8	• Changed t _{RL} minimum from 2 μs to 2.5 μs.....	8	• Changed t _{READIDLE} from 400 μs to 560 μs.....	8	• Changed I _{DD_PROG} from 214 μA to 230 μA.....	8	• Added continuous conversion mode for V _{DD} powered mode.....	27
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The datasheet number will be changing.																																				
Device Family	Change From:	Change To:																																		
TMP1826	SBOSA45B	SBOSA45C																																		
<p>These changes may be reviewed at the datasheet links provided. http://www.ti.com/product/TMP1826</p>																																				
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:																																				
TMP1826DGKR	TMP1826NGRR																																			

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