



PCN Number:	20240930003.0		PCN Date:	September 30, 2024																																															
Title:	Datasheet for PCF8574 and PCF8574A																																																		
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>  <div style="float: right;"> PCF8574 <small>SCPS068K – JULY 2001 – REVISED SEPTEMBER 2024</small> </div> </div> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Changes from Revision J (March 2016) to Revision K (September 2024)</th> <th style="text-align: right;">Page</th> </tr> </thead> <tbody> <tr><td>• Changed all instances of legacy terminology to controller and target where I²C is mentioned.....</td><td style="text-align: right;">1</td></tr> <tr><td>• Changed the Device Information table to the Package Information table.....</td><td style="text-align: right;">1</td></tr> <tr><td>• Update <i>Absolute Max Voltage</i> from 7V to 6.5V.....</td><td style="text-align: right;">4</td></tr> <tr><td>• Update <i>Thermal Information</i> for RGY, PW, RGT, N and DW packages.....</td><td style="text-align: right;">4</td></tr> <tr><td>• Update I_{OH} polarity and increase limit from -300µA to -310µA.....</td><td style="text-align: right;">5</td></tr> <tr><td>• Removed footnote #2 from <i>Electrical Characteristics</i></td><td style="text-align: right;">5</td></tr> <tr><td>• Updated I_{IHL} test condition.....</td><td style="text-align: right;">5</td></tr> <tr><td>• Changed Spike filter limit from 100ns to 70ns max.....</td><td style="text-align: right;">5</td></tr> <tr><td>• Changed Figure 7-3</td><td style="text-align: right;">14</td></tr> <tr><td>• Updated VPORF and VPORR values.....</td><td style="text-align: right;">18</td></tr> </tbody> </table> <div>  <div style="float: right;"> PCF8574A <small>SCPS069H – JULY 2001 – REVISED SEPTEMBER 2024</small> </div> </div> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Changes from Revision G (August 2021) to Revision H (September 2024)</th> <th style="text-align: right;">Page</th> </tr> </thead> <tbody> <tr><td>• Update <i>Absolute Max Voltage</i> from 7V to 6.5V.....</td><td style="text-align: right;">4</td></tr> <tr><td>• Update <i>Thermal Information</i> for RGY, PW, and DW packages.....</td><td style="text-align: right;">4</td></tr> <tr><td>• Update I_{OH} polarity and increase limit from -300µA to -310µA.....</td><td style="text-align: right;">5</td></tr> <tr><td>• Removed footnote #2 from <i>Electrical Characteristics</i></td><td style="text-align: right;">5</td></tr> <tr><td>• Updated I_{IHL} test condition.....</td><td style="text-align: right;">5</td></tr> <tr><td>• Changed Spike filter limit from 100ns to 70ns max.....</td><td style="text-align: right;">5</td></tr> <tr><td>• Updated VPORF and VPORR values.....</td><td style="text-align: right;">18</td></tr> </tbody> </table> <p>The datasheet number will be changing.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Device Family</th> <th>Change From:</th> <th>Change To:</th> </tr> </thead> <tbody> <tr> <td>PCF8574</td> <td>SCPS068J</td> <td>SCPS068K</td> </tr> <tr> <td>PCF8574A</td> <td>SCPS069G</td> <td>SCPS069H</td> </tr> </tbody> </table> <p>These changes may be reviewed at the datasheet links provided. http://www.ti.com/product/PCF8574 http://www.ti.com/product/PCF8574A</p>					Changes from Revision J (March 2016) to Revision K (September 2024)	Page	• Changed all instances of legacy terminology to controller and target where I ² C is mentioned.....	1	• Changed the Device Information table to the Package Information table.....	1	• Update <i>Absolute Max Voltage</i> from 7V to 6.5V.....	4	• Update <i>Thermal Information</i> for RGY, PW, RGT, N and DW packages.....	4	• Update I _{OH} polarity and increase limit from -300µA to -310µA.....	5	• Removed footnote #2 from <i>Electrical Characteristics</i>	5	• Updated I _{IHL} test condition.....	5	• Changed Spike filter limit from 100ns to 70ns max.....	5	• Changed Figure 7-3	14	• Updated VPORF and VPORR values.....	18	Changes from Revision G (August 2021) to Revision H (September 2024)	Page	• Update <i>Absolute Max Voltage</i> from 7V to 6.5V.....	4	• Update <i>Thermal Information</i> for RGY, PW, and DW packages.....	4	• Update I _{OH} polarity and increase limit from -300µA to -310µA.....	5	• Removed footnote #2 from <i>Electrical Characteristics</i>	5	• Updated I _{IHL} test condition.....	5	• Changed Spike filter limit from 100ns to 70ns max.....	5	• Updated VPORF and VPORR values.....	18	Device Family	Change From:	Change To:	PCF8574	SCPS068J	SCPS068K	PCF8574A	SCPS069G	SCPS069H
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Reason for Change:																																																			
To accurately reflect device characteristics. The datasheet update is driven by the changes announced on PCN 20240930002																																																			
Anticipated impact on Fit, Form, Function, Quality or Reliability (positive / negative):																																																			
No anticipated impact.																																																			
Changes to product identification resulting from this PCN:																																																			

None.			
Product Affected:			
Devices affected by changes in PCN 20240930002			
PCF8574ADWR	PCF8574APWR	PCF8574APWRE4	PCF8574APWRG4
PCF8574ARGYR	PCF8574DWR	PCF8574N	PCF8574NE4
PCF8574PWR	PCF8574RGTR	PCF8574RGYR	
Datasheet Only			
PCF8574DGVR	PCF8574ADGVR	PCF8574ANE4	PCF8574AN

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