

## Product / Process Change Notice

PCN No.: Q000-PCN-DL202306-01

Date: 2023-06-19.

<p><b>Change Title:</b> <u>Internal SPI flash type change for I15108FYI product.</u></p> <p>Change Classification: <input checked="" type="checkbox"/> Major <input type="checkbox"/> Minor</p> <p>Change item: <input checked="" type="checkbox"/> Design <input type="checkbox"/> Raw Material <input type="checkbox"/> Wafer FAB <input type="checkbox"/> Package Assembly <input type="checkbox"/> Testing <input type="checkbox"/> Others: _____.</p>																	
<p><b>Affected Product(s) :</b></p> <p>The affected product is I15108FYI.</p>																	
<p><b>Description of Change(s) :</b></p> <p>Changed the internal SPI flash memory of I15108FYI.</p> <p>Erase Time:</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th rowspan="2">Products Affected</th> <th colspan="2">Before Change</th> <th colspan="2">After Change</th> </tr> <tr> <th>Typical Chip Erase Time</th> <th>Typical Sector Erase Time</th> <th>Typical Chip Erase Time</th> <th>Typical Sector Erase Time</th> </tr> </thead> <tbody> <tr> <td>I15108FYI</td> <td>3s</td> <td>60ms</td> <td>5s</td> <td>45ms</td> </tr> </tbody> </table>				Products Affected	Before Change		After Change		Typical Chip Erase Time	Typical Sector Erase Time	Typical Chip Erase Time	Typical Sector Erase Time	I15108FYI	3s	60ms	5s	45ms
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I15108FYI	3s	60ms	5s	45ms													
<p><b>Reason for Change(s) :</b></p> <p>Due to advancement in process technology of I15108FYI internal SPI flash memory.</p>																	
<p><b>Impact of Change(s) : ( positive &amp; negative )</b></p> <p>Form: No change.</p> <p>Fit: No change.</p> <p>Function: No change.</p> <p>Reliability: No concern.</p> <p>HSF (Hazardous Substances Free): No change.</p>																	
<p><b>Qualification Plan/ Results :</b></p> <ol style="list-style-type: none"> <li>1. This PCN is the formal announcement of the change in product's internal SPI flash type.</li> <li>2. The product's performance verification by Nuvoton's outgoing final test and evaluation board test showed no difference.</li> <li>3. Samples are available for customer qualification and evaluation.</li> <li>4. Nuvoton is ready to execute this PCN immediately after customer approval. Therefore, if customer approval is obtained prior to the implementation date, Nuvoton will make this PCN effective right afterwards.</li> </ol>																	
<p><b>Implementation Plan :</b></p> <p><input type="checkbox"/> Date Code: _____ onward <input type="checkbox"/> Lot No.: _____ onward <input checked="" type="checkbox"/> Implemented date: <u>Sep. 16, 2023 (scheduled)</u></p>																	
<b>Originator:</b>	H.Y. Lai / Q100	Approval:(QRA Director )	C.H. Shen/ Q000														

<b>Contact for Questions &amp; Concerns</b>	Name: <u>HYLai</u> TEL: <u>886-3-5770066 (ext. 31226)</u> FAX: <u>886-3-5792673</u> . Address: <u>No.4, Creation Rd. III Science-Based Industrial Park Hsinchu, Taiwan, R.O.C..</u> E-mail: <u>hylai0@nuvoton.com</u> .
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**Customer Comments:**

Note: Please sign this notice, and return to **Nuvoton** contact within **30** days. If no response is received within **30** days, this Change Request will be assumed to meet your approval.

<input type="checkbox"/> Approval <input type="checkbox"/> Disapproval <input type="checkbox"/> Conditional Approval: _____
Date: _____                      Dept. name: _____                      Person in charge: _____

**Follow-up and Tracing:**

**A. copies to**

**Test / Product:**  UL40 Long Chieu  UL40 Simon Wilson  AS60 CHTsai  AS70 JWCheng.

**Design/ Marketing:**  UL00 Mark Hemming  UK00 Mike Luh  AM20 MCHsi.

**Production control/ Others:**  P100 YLHsu  P100 CHHsu

**B. Changes:**

1. Document / Test program:

Document No/ test program	Document name/ test program name	Version		Responsible	Completed date	Remark
		before	after			
NA	NA	NA	NA	NA	NA	NA

Verified by: H.Y. Lai