



## Product Change Notification (PCN)

<b>Document ID:</b> PCN-059 rev 1.0		<b>Date:</b> 2011-05-09
<b>Device affected:</b> All variants of the below products		
	<b>nRF24LE1-Fxx</b> <b>nRF24LU1P-Fxx</b> <b>nRF24LE1-O</b> <b>nRF24LU1P-O</b> <b>nRF24LU1</b> <b>nRF9E5</b> <b>nRF905</b> <b>nRF24L01</b> <b>nRF24L01P</b> <b>nRF24AP1</b> <b>nRF24AP2-1CH/8CH</b> <b>nRF24AP2-USB</b> <b>nRF2401AG</b> <b>nRF2402G</b> <b>nRF24E1G</b> <b>nRF24E2G</b>	Build code C Build code D Build code D and O Build code D and O Build code E Build code C Build code C Build code D Build code A and M Build code B Build code N Build code A and M Build code B Build code C Build code B Build code B
<b>Data sheet references:</b> N/A	<b>Agreement reference:</b> N/A	<b>Customer's reference:</b> To Whom It May Concern

<b>Description of change:</b>		
This PCN will affect the above mentioned devices assembled at Amkor Technology Philippines for qualification of Cu as additional bond wire option.		
<b>Impact:</b> Does the change affect <b>product</b> :		
1. Form	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes – describe:
2. Fit	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes – describe:
3. Function	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes – describe:
4. Quality or Reliability	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes – describe:
Classification of change	<input checked="" type="checkbox"/> Minor	<input type="checkbox"/> Major
<b>Reason for change:</b>		
1. To utilize material with enhanced mechanical and electrical properties.		
2. Alignment to world technology trend on using Cu as bond wire material.		
<b>Consequences of change:</b>		
None negative.		
<b>Verification:</b>		
The products will be qualified according to Nordic Semiconductor's standard product approval and quality procedures.		
The following Qualification reports are available now :		
<ul style="list-style-type: none"> <li>▪ MSL2 : PASS</li> <li>▪ TC : 500cycles/ -65C/+150C : PASS</li> <li>▪ UHAST : 130C/85%RH/96h : PASS</li> </ul>		
The following Qualification reports will be available w23 :		
<ul style="list-style-type: none"> <li>▪ TC : 1000cycles/ -65C/+150C</li> <li>▪ HTS : 1000h/150C</li> </ul>		
Samples for LE1-O17Q32 and LU1P-O17Q32 are available now, samples for other devices and its availability will be provided upon request.		

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<b>Marking/Shipping labels:</b>	
There will be no changes in the marking/shipping labels. Change identification will be identified by trace code.	
<b>Change active from (date):</b>	<b>Change active from (lot no/date code):</b>
Change will be implemented device by device starting from September 2011.	Actual change-over date per device will be available upon request.
<b>Last time order (date):</b> (optional)	<b>Final shipment date:</b> (optional)
N/A	N/A
<b>Attachments:</b> <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes – describe:	
<b>Technical contact at Nordic Semiconductor:</b>	<b>Commercial contact at Nordic Semiconductor:</b>
Analiza Gueta Project Manager – Supply Chain e-mail: <a href="mailto:analiza.gueta@nordicsemi.no">analiza.gueta@nordicsemi.no</a>	Thomas Bonnerud Product Manager Standard Components e-mail: <a href="mailto:teb@nordicsemi.no">teb@nordicsemi.no</a>
<b>Authorization for Nordic Semiconductor</b>	
Product Manager	Date: 2011.05.09      Sign: 
Thomas Embla Bonnerud	_____
Quality Director	Date: 2011.05.09      Sign: 
Ebbe Rømcke	_____

*Please note that all last time buy orders are non-cancellable and non-returnable.*