**Product Change Notification (PCN)**

**Document ID:** PCN-059 rev 1.0  
**Date:** 2011-05-09

**Device affected:**  
All variants of the below products

<table>
<thead>
<tr>
<th>Device</th>
<th>Build Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>nRF24LE1-Fxx</td>
<td>C</td>
</tr>
<tr>
<td>nRF24LU1P-Fxx</td>
<td>D</td>
</tr>
<tr>
<td>nRF24LE1-O</td>
<td>D and O</td>
</tr>
<tr>
<td>nRF24LU1P-O</td>
<td>D and O</td>
</tr>
<tr>
<td>nRF24LU1</td>
<td>E</td>
</tr>
<tr>
<td>nRF9E5</td>
<td>C</td>
</tr>
<tr>
<td>nRF905</td>
<td>C</td>
</tr>
<tr>
<td>nRF24L01</td>
<td>D</td>
</tr>
<tr>
<td>nRF24L01P</td>
<td>A and M</td>
</tr>
<tr>
<td>nRF24AP1</td>
<td>B</td>
</tr>
<tr>
<td>nRF24AP2-1CH/8CH</td>
<td>N</td>
</tr>
<tr>
<td>nRF24AP2-USB</td>
<td>A and M</td>
</tr>
<tr>
<td>nRF2401AG</td>
<td>B</td>
</tr>
<tr>
<td>nRF2402G</td>
<td>C</td>
</tr>
<tr>
<td>nRF24E1G</td>
<td>B</td>
</tr>
<tr>
<td>nRF24E2G</td>
<td>B</td>
</tr>
</tbody>
</table>

**Data sheet references:**  
N/A

**Agreement reference:**  
N/A

**Customer's reference:**  
To Whom It May Concern

**Description of change:**  
This PCN will affect the above mentioned devices assembled at Amkor Technology Philippines for qualification of Cu as additional bond wire option.

**Impact:** Does the change affect **product:**

1. **Form**  
   - No  
   - Yes – describe:

2. **Fit**  
   - No  
   - Yes – describe:

3. **Function**  
   - No  
   - Yes – describe:

4. **Quality or Reliability**  
   - No  
   - Yes – describe:

**Classification of change**  
- Minor
- Major

**Reason for change:**

1. To utilize material with enhanced mechanical and electrical properties.
2. Alignment to world technology trend on using Cu as bond wire material.

**Consequences of change:**

None negative.

**Verification:**

The products will be qualified according to Nordic Semiconductor's standard product approval and quality procedures.

The following Qualification reports are available now:

- MSL2: PASS
- TC: 500cycles/65C+150C: PASS
- UHAST: 130C/85%RH/96h: PASS

The following Qualification reports will be available w23:

- TC: 1000cycles/65C+150C
- HTS: 1000h/150C

Samples for LE1-O17Q32 and LU1P-O17Q32 are available now, samples for other devices and its availability will be provided upon request.
# Product Change Notification (PCN)

## Marking/Shipping labels:
There will be no changes in the marking/shipping labels.
Change identification will be identified by trace code.

### Change active from (date):
Change will be implemented device by device starting from September 2011.

### Change active from (lot no/date code):
Actual change-over date per device will be available upon request.

### Last time order (date): (optional)
N/A

### Final shipment date: (optional)
N/A

### Attachments:
- [ ] No
- [x] Yes – describe:

## Technical contact at Nordic Semiconductor:
- Analiza Gueta
  - Project Manager – Supply Chain
  - e-mail: analiza.gueta@nordicsemi.no

## Commercial contact at Nordic Semiconductor:
- Thomas Bonnerud
  - Product Manager Standard Components
  - e-mail: teb@nordicsemi.no

## Authorization for Nordic Semiconductor

<table>
<thead>
<tr>
<th>Role</th>
<th>Date</th>
<th>Sign</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Manager</td>
<td>2011.05.09</td>
<td></td>
</tr>
<tr>
<td>Thomas Embla Bonnerud</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Quality Director</td>
<td>2011.05.09</td>
<td></td>
</tr>
<tr>
<td>Ebbe Rømcke</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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