

Product Change Notification (PCN)

Device affected (product name):	Device version / Build Code:
nRF905	В
nRF9E5	В
Agreement reference (number + version):	PCN no.:
N/A	008 (rev 1.1)
	Date:
	2008-02-01
Customer's reference:	Nordic Semiconductor reference:
N/A	Supply Chain Manager

Description	of change:
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- Change of production site for Assembly and Test from ASE Chung-Li, Taiwan to Amkor Technology – Philippines, Inc (ATP)
- Package singulation changed from Punch to Saw
- Change of test platform
- Build code changed from B to C

Impact: Does the change affect *product*.

1.	Form?	🗌 No	Xes – describe: Please see "Consequences" section below
2.	Fit?	🗌 No	⊠ Yes – describe: Please see "Consequences" section below
3.	Function?	🖂 No	Yes – describe:
4.	Quality or Reliability?	🗌 No	Yes – describe: Please see "Verification" section below
Cla	ssification of change	Minor	🖂 Major

Reason:

The change takes place as part of a consolidation on a standard package technology and site for existing QFN products.

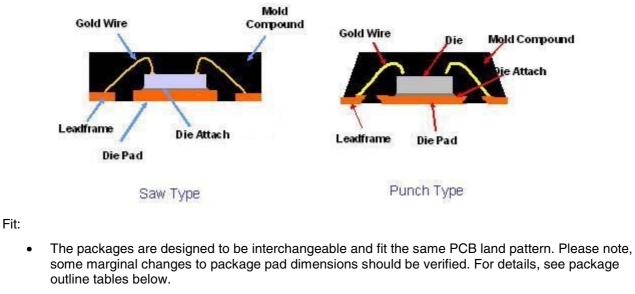
Consequences:

Function:

• No changes in functionality or parametric performance.

Form:

• The cross sections of build code B Punch type package and build code C Saw singulated packages are different.



Quality and reliability

• Improved MSL performance



Verification:

Samples are available from Nordic Semiconductor.

Package outlines are compliant with Jedec MO-220.

Nordic guarantees that the reliability of the nRF905 and nRF9E5 build code C is equal to or better compared to build code B.

Build code C has been qualified for moisture sensitivity performance at MSL level 2 at 260'C per Jedec standard (build code B ships with MSL level 3).

The new test solution imposes no change to the electrical performance limits by which the product is tested. In order to ensure this, an extensive correlation program has been carried out prior to release for production.

Marking:

The products with new package will be marked with the new build code C:

Item	Value
Line #1	NRF C
Line #2	905 or 9E5
Line #3	YYWWLL

Abbreviations: YY – 2 digit Year number WW – 2 digit Week number LL – 2 letter wafer lot number code

Package dimensions

	A	A1	A3	b	D/E	е	D2/E2	L
Min	0.80	0.00		0.18			3.2	0.35
Тур	0.85	0.02	0.200 REF.	0.23	5.0 BSC	0.50 BSC	3.3	0.40
Max	0.90	0.05		0.30			3.4	0.45
Build co	de B (old pa A	ackage) A1	A3	b	D/E	e	D2/E2	L
Min	0.80	0.00	7.0	0.18	0,2	<u> </u>	3.2	0.30
Тур		0.02	0.203 REF.	0.23	5.0 BSC	0.50 BSC	3.3	0.40
Max	0.90	0.05		0.30			3.4	0.50



Change active from (date):			Chang	e active from (Build code):		
February 1 st 2008				5 Build code C 5 Build code C		
Last order date (optional):			Final s	hipment date (optional):		
NA				kisting stock to be depleted)		
Customers who require time for verification of the new version are kindly asked to inform Nordic Semiconductor through your usual sales channel. Build code C samples will be submitted upon request. Nordic Semiconductor can not guarantee available supply of build code B after May 1 st 2008.						
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Authorization for Nordic Sem	icondu	ctor				
Product Manager	Date:	12.02.2008	Sign:			
Thomas Embla Bonnerud			_	Theze P		
Quality Director	Date:	12.02.2008	Sign:	, hi		
Ebbe Rømcke				the		
Customer acceptance						
Name	Date:		Sign:			
Title			-			