

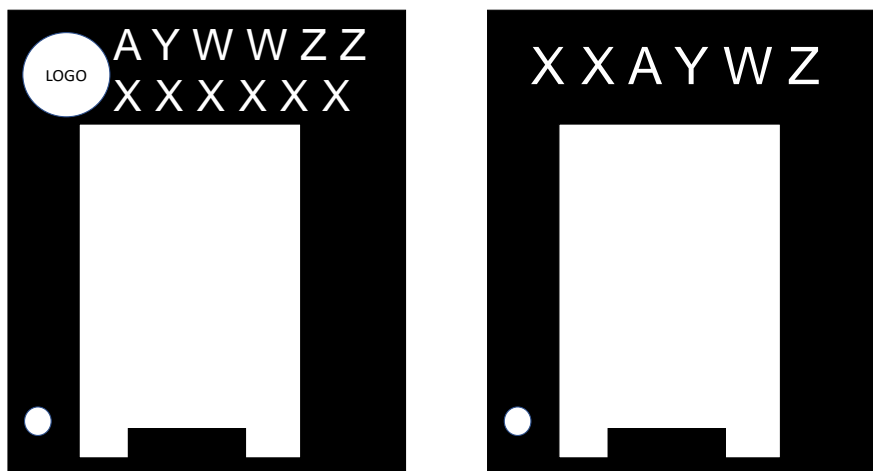
<b>Title of Change:</b>	PQFN56 Dual Cool Marking Layout Update
<b>Effective date:</b>	06 Dec 2022
<b>Contact information:</b>	Contact your local onsemi Sales Office or <a href="mailto:KrisJudelo.Dayna@onsemi.com">KrisJudelo.Dayna@onsemi.com</a>
<b>Type of notification:</b>	This Product Bulletin is for notification purposes only. onsemi will proceed with implementation of this change upon publication of this Product Bulletin.
<b>Change Category:</b>	Marking
<b>Change Sub-Category(s):</b>	Shipping/Packaging/Marking

**Sites Affected:**

<b>onsemi Sites</b>	<b>External Foundry/Subcon Sites</b>
None	None

**Description and Purpose:**

In order to improve quality of marking and its legibility. We are moving towards simplification of the layout.  
 Below is the summary of the changes.



	Existing Layout	New Layout
Logo	Yes	No
Plant Code	Yes (A)	Yes (A)
Date Code	Yes (YWW)	Yes (YW)
Lot Code	Yes (ZZ)	Yes (Z)
Device Mark	Yes (XXXXXX)	Yes (XX)

Please note that "ON" logo will be removed on the new layout.

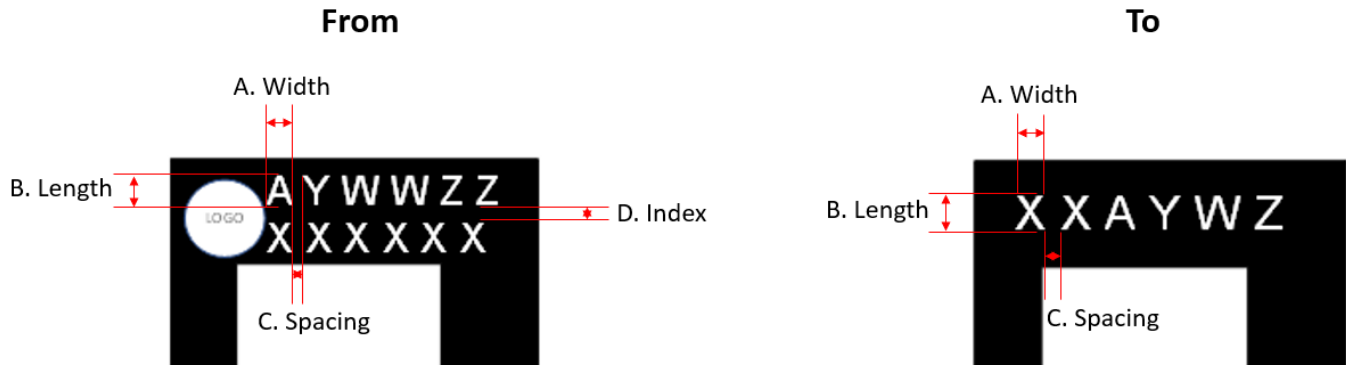
**Lot Code Changes:**

ZZ – 2 digit lot code sequence per starts with AA, AB, AC, AD, etc  
 Z – 1 digit lot code sequence starts with A, B, C, D, etc.

**Device Mark Changes:**

OPN	Existing Mark	New Mark
FDMS7650DC	7650	2F
FDMS8320LDC	8320L	2G
FDMS86101DC	86101	2H
FDMS86200DC	86200	2J
FDMS86300DC	86300	2K
FDMS86500DC	86500	2L
NTMFSC004N08MC	4N08MC	3F
NTMFSC010N08M7	10N8M7	3G
NTMFSC011N08M7	11N8M7	3H
NTMFSC012N15MC	12N15M	3J
NTMFSC0D9N04CL	410LDC	3K
NTMFSC1D0N04HL	1D0N04	3L
NTMFSC1D6N06CL	612LDC	3M
NTMFSC1D9N06HL	1D9N06	3N
NTMFSC2D9N08H	2D9N08	3P
NTMFSC4D2N10MC	4D2N10	3Q
NVMFSC0D9N04C	410NDC	4F
NVMFSC0D9N04CL	410LVC	4G
NVMFSC1D6N06CL	612VDC	4H
STMFSC008N10M5	86101	2H
STMFSC017N15M5	86200	2J
STMFSC3D1N08M7	86300	2K

### Character Measurement Change



	From	To
A. Width	0.36 mm	0.41 mm
B. Length	0.47 mm	0.64 mm
C. Spacing	0.08 mm	0.19 mm
D. Index	0.05 mm	NA

**Note:** Measurement are estimated values.  
 Transition of marking will be from Dec 1,2022 to Mar 31,2023.

#### List of Affected Standard Parts:

**Note:** Only the standard (off the shelf) part numbers are listed in the parts list. Any custom parts affected by this PCN are shown in the customer specific PCN addendum in the PCN email notification, or on the [PCN Customized Portal](#).

NVMFSC1D6N06CL	NVMFSC0D9N04CL	NVMFSC0D9N04C
NTMFSC4D2N10MC	NTMFSC2D9N08H	NTMFSC1D9N06HL
NTMFSC1D6N06CL	NTMFSC1D0N04HL	NTMFSC0D9N04CL
NTMFSC012N15MC	NTMFSC011N08M7	NTMFSC010N08M7
NTMFSC004N08MC	FDMS86500DC	FDMS86300DC
FDMS86200DC	FDMS86101DC	FDMS8320LDC
FDMS7650DC		

**Appendix A: Changed Products**

**PCN#: PB25146X**  
**Issue Date: Dec 06, 2022**

DIKG: DIGI-KEY

Product	Customer Part Number	Qualification Vehicle	New Part Number	Replacement Supplier
NVMFSC1D6N06CL				
NVMFSC0D9N04C				
NTMFSC4D2N10MC				
NTMFSC1D6N06CL				
NTMFSC0D9N04CL				
NTMFSC010N08M7				
NTMFSC004N08MC				
FDMS86500DC				
FDMS86300DC				
FDMS86200DC				
FDMS86101DC				
FDMS8320LDC				
FDMS7650DC				
NVMFSC0D9N04CL				