


PRODUCT / PROCESS CHANGE NOTIFICATION

1. PCN basic data

1.1 Company		STMicroelectronics International N.V
1.2 PCN No.	ADG/18/11272	
1.3 Title of PCN	MDmesh™ DM2 Power MOSFET Top Metal change from AISi to AlCu+Barrier - Ang Mo Kio (Singapore) - AUTOMOTIVE	
1.4 Product Category	Power MOSFET	
1.5 Issue date	2018-12-19	

2. PCN Team

2.1 Contact supplier	
2.1.1 Name	MARCELI SMIALKOWSKI
2.1.2 Phone	+44 1628896277
2.1.3 Email	marceli.smialkowski@st.com
2.2 Change responsibility	
2.2.1 Product Manager	Maurizio GIUDICE
2.1.2 Marketing Manager	Paolo PETRALI
2.1.3 Quality Manager	Vincenzo MILITANO

3. Change

3.1 Category	3.2 Type of change	3.3 Manufacturing Location
Wafer Fab (Process)	Metallization : change in metal layers type/nature, composition or final thickness	Ang Mo Kio (Singapore)

4. Description of change

	Old	New
4.1 Description	MDmesh™ DM2 Power MOSFET Transistors Top Metal composition is AISi	MDmesh™ DM2 Power MOSFET Transistors Top Metal composition will be AlCu+Ti/TiN barrier
4.2 Anticipated Impact on form,fit, function, quality, reliability or processability?	no impact	

5. Reason / motivation for change

5.1 Motivation	Reliability Improvement
5.2 Customer Benefit	QUALITY IMPROVEMENT

6. Marking of parts / traceability of change

6.1 Description	by FG code and Q.A. number
------------------------	----------------------------

7. Timing / schedule

7.1 Date of qualification results	2018-12-13
7.2 Intended start of delivery	2019-06-16
7.3 Qualification sample available?	Upon Request

8. Qualification / Validation

8.1 Description	11272 Rel25-18.pdf		
8.2 Qualification report and qualification results	Available (see attachment)	Issue Date	2018-12-19

9. Attachments (additional documentations)

11272 Public product.pdf
11272 MDmesh™ DM2 Power MOSFET Top Metal change from AISi to AICu+Barrier - Ang Mo Kio - AUT.pdf
11272 Rel25-18.pdf
11272 AICu + Barrier vs AISi.pdf

10. Affected parts		
10.1 Current		10.2 New (if applicable)
10.1.1 Customer Part No	10.1.2 Supplier Part No	10.1.2 Supplier Part No
	STW65N65DM2AG	

IMPORTANT NOTICE – PLEASE READ CAREFULLY

Subject to any contractual arrangement in force with you or to any industry standard implemented by us, STMicroelectronics NV and its subsidiaries (“ST”) reserve the right to make changes, corrections, enhancements, modifications, and improvements to ST products and/or to this document at any time without notice. Purchasers should obtain the latest relevant information on ST products before placing orders. ST products are sold pursuant to ST’s terms and conditions of sale in place at the time of order acknowledgement.

Purchasers are solely responsible for the choice, selection, and use of ST products and ST assumes no liability for application assistance or the design of Purchasers’ products.

No license, express or implied, to any intellectual property right is granted by ST herein.

Resale of ST products with provisions different from the information set forth herein shall void any warranty granted by ST for such product.

ST and the ST logo are trademarks of ST. All other product or service names are the property of their respective owners.

Information in this document supersedes and replaces information previously supplied in any prior versions of this document.

© 2018 STMicroelectronics – All rights reserved



Public Products List

Public Products are off the shelf products. They are not dedicated to specific customers, they are available through ST Sales team, or Distributors, and visible on ST.com

PCN Title : MDmesh™ DM2 Power MOSFET Top Metal change from AISi to AICu+Barrier - Ang Mo Kio (Singapore) - AUTOMOTIVE

PCN Reference : ADG/18/11272

Subject : Public Products List

Dear Customer,

Please find below the Standard Public Products List impacted by the change.

STW58N65DM2AG	STW58N60DM2AG	STP45N40DM2AG
STB45N50DM2AG	STW72N60DM2AG	STB45N60DM2AG
STB34N50DM2AG	STB37N60DM2AG	STW50N65DM2AG
STW65N65DM2AG	STB45N40DM2AG	STW45N60DM2AG
STW37N60DM2AG	STP45N60DM2AG	



IMPORTANT NOTICE – PLEASE READ CAREFULLY

Subject to any contractual arrangement in force with you or to any industry standard implemented by us, STMicroelectronics NV and its subsidiaries (“ST”) reserve the right to make changes, corrections, enhancements, modifications, and improvements to ST products and/or to this document at any time without notice. Purchasers should obtain the latest relevant information on ST products before placing orders. ST products are sold pursuant to ST’s terms and conditions of sale in place at the time of order acknowledgement.

Purchasers are solely responsible for the choice, selection, and use of ST products and ST assumes no liability for application assistance or the design of Purchasers’ products.

No license, express or implied, to any intellectual property right is granted by ST herein.

Resale of ST products with provisions different from the information set forth herein shall void any warranty granted by ST for such product.

ST and the ST logo are trademarks of ST. All other product or service names are the property of their respective owners.

Information in this document supersedes and replaces information previously supplied in any prior versions of this document.