

PRODUCT / PROCESS CHANGE NOTIFICATION

1. PCN basic data

1.1 Company		STMicroelectronics International N.V
1.2 PCN No.	ADG/18/11269	
1.3 Title of PCN	MDmesh™ DM2 Power MOSFET Top Metal change from AISi to AlCu+Barrier - Ang Mo Kio (Singapore) - INDUSTRIAL	
1.4 Product Category	Power MOSFET	
1.5 Issue date	2018-12-19	

2. PCN Team

2.1 Contact supplier	
2.1.1 Name	MARSHALL DAVE
2.1.2 Phone	
2.1.3 Email	dave.marshall@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
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7. Timing / schedule

7.1 Date of qualification results	2018-12-13
7.2 Intended start of delivery	2019-03-18
7.3 Qualification sample available?	Upon Request

8. Qualification / Validation

8.1 Description	11269 Rel24-18.pdf		
8.2 Qualification report and qualification results	Available (see attachment)	Issue Date	2018-12-19

9. Attachments (additional documentations)

11269 Public product.pdf
 11269 MDmesh™ DM2 Power MOSFET Top Metal change from AISi to AICu+Barrier - Ang Mo Kio - IND.pdf
 11269 Rel24-18.pdf
 11269 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
	STW70N60DM2	
	STB18N60DM2	
	STB28N60DM2	
	STB33N60DM2	
	STB35N60DM2	
	STD11N60DM2	
	STD8N60DM2	
	STF11N60DM2	
	STF28N60DM2	
	STF35N60DM2	
	STF43N60DM2	
	STP11N60DM2	
	STP18N60DM2	
	STP28N60DM2	
	STP33N60DM2	
	STP35N60DM2	
	STP43N60DM2	
	STW18N60DM2	
	STW28N60DM2	
	STW33N60DM2	
	STW35N60DM2	
	STW43N60DM2	
	STW48N60DM2	
	STW56N60DM2	
	STW56N65DM2	
	STWA48N60DM2	

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