


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	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
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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 AlCu+Barrier - Ang Mo Kio - IND.pdf
11269 Rel24-18.pdf
11269 AlCu + 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
	STL33N60DM2	
	STW28N60DM2	
	STB18N60DM2	
	STB28N60DM2	
	STB35N60DM2	
	STW70N60DM2	

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Public Products List

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PCN Title : MDmesh™ DM2 Power MOSFET Top Metal change from AlSi to AlCu+Barrier - Ang Mo Kio (Singapore) - INDUSTRIAL

PCN Reference : ADG/18/11269

Subject : Public Products List

Dear Customer,

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

STD10N60DM2	STD6N60DM2	STB18N60DM2
STL33N60DM2	STF13N60DM2	STB35N60DM2
STF28N60DM2	STB43N60DM2	STF18N60DM2
STP11N60DM2	STP28N60DM2	STD5N60DM2
STD11N60DM2	STW33N60DM2	STP43N60DM2
STF12N50DM2	STW18N60DM2	STD12N50DM2
STW56N65DM2	STD8N60DM2	STD13N60DM2
STD7N60DM2	STP33N60DM2	STB33N60DM2
STW48N60DM2	STW28N60DM2	STF7N60DM2
STF8N60DM2	STL28N60DM2	STW56N60DM2
STW70N60DM2	STB28N60DM2	STW35N60DM2
STWA48N60DM2	STF43N60DM2	STF35N60DM2
STW43N60DM2	STP18N60DM2	STF11N60DM2
STP35N60DM2	STL13N60DM2	STF33N60DM2
STF10N60DM2		



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