

PRODUCT / PROCESS CHANGE NOTIFICATION

1. PCN basic data

1.1 Company		STMicroelectronics International N.V
1.2 PCN No.		ADG/22/13757
1.3 Title of PCN		DPAK Automotive AI wire line relocation from Shenzhen to Tongfu Microelectronics (China)
1.4 Product Category		Power MOSFET HV
1.5 Issue date		2022-11-07

2. PCN Team

2.1 Contact supplier	
2.1.1 Name	ROBERTSON HEATHER
2.1.2 Phone	+1 8475853058
2.1.3 Email	heather.robertson@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
Transfer	Line transfer for a full process or process brick (process step, control plan, recipes) from one site to another site: Assembly site (SOP 2617)	Shenzhen (China)

4. Description of change

	Old	New
4.1 Description	DPAK Automotive AI wire products are manufactured in Shenzhen (China)	DPAK Automotive AI wire products are manufactured in Tongfu Microelectronics (China)
4.2 Anticipated Impact on form, fit, function, quality, reliability or processability?	no impact	

5. Reason / motivation for change

5.1 Motivation	DPAK AI wire Automotive Line Shenzhen closure
5.2 Customer Benefit	SERVICE CONTINUITY

6. Marking of parts / traceability of change

6.1 Description	By internal traceability and dedicated FG code
-----------------	--

7. Timing / schedule

7.1 Date of qualification results	2022-11-03
7.2 Intended start of delivery	2023-05-08
7.3 Qualification sample available?	Upon Request

8. Qualification / Validation

8.1 Description	13757 RERPTD22094_2.0_Power Mosfet High Voltage DPAK Automotive Transfer from STS to TFME.pdf		
8.2 Qualification report and qualification results	Available (see attachment)	Issue Date	2022-11-07

9. Attachments (additional documentations)

13757 Public product.pdf
13757 DPAK Automotive AI wire line relocation from Shenzhen to TFME.pdf
13757 RERPTD22094_2.0_Power Mosfet High Voltage DPAK Automotive Transfer from STS to TFME.pdf
13757 PCN-FORM-Rev_4_0 Conti.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
	STD10NF30	
	STD12N60DM2AG	
	STD13N50DM2AG	
	STD14NM50NAG	
	STD15N50M2AG	
	STD18NF25	
	STD4NK100Z	
	STD5NM50AG	
	STD7ANM60N	
	STD8NF25	
	STD9NM50N	

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



Power Transistor Sub-Group
High Voltage Business Unit
Automotive & Discrete Group (ADG)

Process Change Notification

DPAK Automotive Al wire line relocation from Shenzhen to Tongfu Microelectronics (China)

Dear Customer,

Following the continuous improvement of our service and with the aim of increasing production capacity, this document announces the closure of DPAK Automotive Al wire Shenzhen (China) line.

As results of the above-mentioned decision, all products assembled in DPAK Automotive Al wire, will be relocated to our subcontractor Tongfu Microelectronics (China), named also TFME.

The DPAK Automotive Al wire products, manufactured in TFME, have the same POA, dimensions and the same quality and electrical characteristics as per products manufactured in Shenzhen.

Any other product related to the above series, even if not expressly included or partially mentioned in the attached table, is affected by this change.

Involved Products	Package	Test Vehicle
Selected High Voltage Power MOSFET Transistors	DPAK Automotive Al wire	STD12N60DM2AG STD18NF25 STD4NK100B STD7N95K5AG

Qualification program and results availability:

The reliability test report is provided in attachment to this document.

Samples availability:

Samples of the test vehicle devices will be available on request starting from week 48 of 2022.

Any other sample request will be processed and scheduled by High Voltage Business Unit upon request.

Change implementation schedule:

The production start and first shipments will be implemented after week 18 of 2023 or even earlier, by agreement with the customer.

Marking and traceability:

Unless otherwise stated by Customer specific requirement, traceability of products in DPAK Automotive Al wire, manufactured in TFME, will be ensured by internal code (Finished Good) and Q.A. number.

Yours faithfully,



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 : DPAK Automotive AI wire line relocation from Shenzhen to Tongfu Microelectronics (China)

PCN Reference : ADG/22/13757

Subject : Public Products List

Dear Customer,

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

STD7N95K5AG	STD9NM50N	STD12N60DM2AG
STD4NK100Z	STD18NF25	STD7ANM60N
STD9N65DM6AG	STD10NF30	STD8NF25
STD14NM50NAG	STD15N50M2AG	STD5NM50AG
STD13N50DM2AG		



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