

PRODUCT / PROCESS CHANGE NOTIFICATION

1. PCN basic data

1.1 Company		STMicroelectronics International N.V
1.2 PCN No.	AMG/17/10524	
1.3 Title of PCN	Qualification of TSHT as Assembly and Test location for products assembled in SSOP10 package	
1.4 Product Category	See product list	
1.5 Issue date	2017-10-30	

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	Domenico ARRIGO
2.1.2 Marketing Manager	Fulvio PULICELLI
2.1.3 Quality Manager	Alessandro PLATINI

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)	TSHT China

4. Description of change

	Old	New
4.1 Description	Assembly and Test location : ST Bouskoura	Assembly and Test location : TSHT China
4.2 Anticipated Impact on form,fit, function, quality, reliability or processability?	No impact	

5. Reason / motivation for change

5.1 Motivation	The purpose of the introduction of TSHT for both Assy and Test & Finishing activities for the listed commercial products is to further improve the rationalization of our manufacturing assets, provide a better support to our customers by enhancing the manufacturing process for higher volume production.
5.2 Customer Benefit	CAPACITY INCREASE

6. Marking of parts / traceability of change

6.1 Description	By new dedicated Finished Good codes
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7. Timing / schedule

7.1 Date of qualification results	2017-12-15
7.2 Intended start of delivery	2018-02-02
7.3 Qualification sample available?	Upon Request

8. Qualification / Validation

8.1 Description	10524 PRELIMINARY RELIABILITY RESULTS.zip		
8.2 Qualification report and qualification results	Available (see attachment)	Issue Date	2017-10-30

9. Attachments (additional documentations)
10524 Public product.pdf 10524 PCN SSOP10_25Oct2017.pdf 10524 PRELIMINARY RELIABILITY RESULTS.zip

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
	HVLED001A	
	HVLED001ATR	
	VIPER06HS	
	VIPER06HSTR	
	VIPER06LS	
	VIPER06LSTR	
	VIPER06XS	
	VIPER06XSTR	

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Adding a new Assembly and Test location for products assembled in SSOP10 package

WHAT is the change?

Progressing on activities related to process modernization and capacity improvement, ST is pleased to announce the introduction of TSHT/China as an added subcontractor for Assy and Test & Finishing activities for some products assembled in our SSOP10 package, actually also assembled and tested in ST-Casablanca-Bouskoura Plant. The list of products being validated in TSHT is listed here below:

Commercial Product	Current Finished Good	Current Assy & TnF Plant	Added Assy & TnF Plant
VIPER06HS	VIPER06HS-2/ and VIPER06HSTR-2/	Bouskoura	TSHT
VIPER06LS	VIPER06LS-2/ and VIPER06LSTR-2/	Bouskoura	TSHT
VIPER06XS	VIPER06XS-2/ and VIPER06XSTR-2/	Bouskoura	TSHT
HVLED001A	HVLED001A/ and HVLED001ATR/	Bouskoura	TSHT

Both "Tape & Reel" and "Tube" packing are validated in TSHT. Dedicated engineering trials and test vehicles have been defined to validate the change.

WHY:

The purpose of the introduction of TSHT for both Assy and Test & Finishing activities for the here above listed commercial products is to further improve the rationalization of our manufacturing assets and provide a better support to our customers by enhancing the manufacturing process for higher volume production.

WHEN will this change occur?

The following table lists all relevant information

Commercial Product	Added F.G.	Test Vehicles Samples Availability	Final Validation Report Availability	Estimated First Shipment Date (*)
VIPER06HS	VIPER06HS\$9A1 and VIPER06HSTR\$9A1	Upon request	Dec 2017	Feb 2018
VIPER06LS	VIPER06LS\$9A1 and VIPER06LSTR\$9A1	Upon request	Dec 2017	Feb 2018
VIPER06XS	VIPER06XS\$9A1 and VIPER06XSTR\$9A1	Upon request	Dec 2017	Feb 2018
HVLED001A	HVLED001A\$9A1 and HVLED001ATR\$9A1	Upon request	Dec 2017	Feb 2018

(*) Earlier shipments may be negotiated

HOW will the change be qualified?

- The qualification is based on Test vehicle representatives by using internal ST rule for changes.

IMPACTS OF THE CHANGE:

Form:	No change
Fit:	No change
Function:	No change

Addenda: [Intermediate Reliability validation status](#)