

PRODUCT / PROCESS CHANGE NOTIFICATION

1. PCN basic data

1.1 Company		STMicroelectronics International N.V
1.2 PCN No.	MDG/19/10986	
1.3 Title of PCN	ST Shenzhen (China) TSSOP 20 package Back-End line – additional products	
1.4 Product Category	STM8L10, STM8L15, STM32F04 Products in TSSOP20 package.	
1.5 Issue date	2019-06-28	

2. PCN Team

2.1 Contact supplier	
2.1.1 Name	FRANCKE CHRISTIANE
2.1.2 Phone	+49 89460062128
2.1.3 Email	christiane.francke@st.com
2.2 Change responsibility	
2.2.1 Product Manager	Ricardo Antonio DE SA EARP
2.1.2 Marketing Manager	Veronique BARLATIER
2.1.3 Quality Manager	Pascal NARCHE

3. Change

3.1 Category	3.2 Type of change	3.3 Manufacturing Location
Materials	Any change on substrate (part number, supplier, plant, design or composition of any layer, etc..)	ST Shenzhen China

4. Description of change

	Old	New
4.1 Description	Back-end sources: - Amkor ATP Philippines	Back-end sources: - Amkor ATP Philippines - ST Shenzhen China added
4.2 Anticipated Impact on form, fit, function, quality, reliability or processability?	<ul style="list-style-type: none"> - Lead color and surface finish change depending on lead finishing. - Package darkness changes depending on molding compound. - Pin1 identifier might change in terms of form and positioning. - Marking position and size could be different upon assembly site, without any loss of information. 	

5. Reason / motivation for change

5.1 Motivation	Today, production is only made in AMKOR ATP (Philippines). In order to ensure top class service for our customers, given the continued growth of the STM32 & STM8 families, ST Microcontrollers Division will increase production capacity and improve flexibility through the qualification of an additional assembly source.
5.2 Customer Benefit	CAPACITY INCREASE

6. Marking of parts / traceability of change

6.1 Description	Country of origin marked on package top side is changing from PHL to CHN.
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7. Timing / schedule

7.1 Date of qualification results	2018-06-28
7.2 Intended start of delivery	2019-07-26
7.3 Qualification sample available?	Upon Request

8. Qualification / Validation

8.1 Description	10986 MDG-MCD RER1512 STM8S-STM32 TSSOP20 - ST SHZ-PCN9299- reliability evaluation report V2.0.pdf		
8.2 Qualification report and qualification results	Available (see attachment)	Issue Date	2019-06-28

9. Attachments (additional documentations)

10986 Public product.pdf
10986 MDG-MCD RER1512 STM8S-STM32 TSSOP20 - ST SHZ-PCN9299- reliability evaluation report V2.0.pdf
10986 PCN10986_Additional information.final.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
	STM32F042F6P7	
	STM32F070F6P6TR	

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