

PRODUCT / PROCESS CHANGE INFORMATION

1. PCI basic data

1.1 Company	 STMicroelectronics International N.V
1.2 PCI No.	ADG/23/14292
1.3 Title of PCI	ACEPACK SMIT: Carrier Tape Design Optimization
1.4 Product Category	see list
1.5 Issue date	2023-10-23

2. PCI 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
2.2.2 Marketing Manager	Paolo PETRALI
2.2.3 Quality Manager	Vincenzo MILITANO

3. Change

3.1 Category	3.2 Type of change	3.3 Manufacturing Location
Materials	Any indirect material modifications for shipping products in dimensions, material, composition, orientation	ST Shenzhen - China

4. Description of change

	Old	New
4.1 Description	M area: 24.1 mm	M area: 23~23.3mm
4.2 Anticipated Impact on form, fit, function, quality, reliability or processability?	No impact	

5. Reason / motivation for change

5.1 Motivation	Carrier Tape Optimization
5.2 Customer Benefit	SERVICE IMPROVEMENT

6. Marking of parts / traceability of change

6.1 Description	Date Code
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7. Timing / schedule

7.1 Date of qualification results	2023-10-09
7.2 Intended start of delivery	2023-11-01
7.3 Qualification sample available?	Not Applicable

8. Qualification / Validation

8.1 Description	14292 details.pdf
8.2 Qualification report and qualification results	Available (see attachment)

9. Attachments (additional documentations)

14292 Public product.pdf 14292 details.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
	SH32N65DM6AG	
	SH63N65DM6AG	
	SH68N65DM6AG	
	STGSB200M65DF2AG	

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Date of implementation

Introduction of optimized carrier tape is planned to start from November 2023

Impact of the change

Form	No impact
Fit	No impact
Function	No impact
Reliability	No impact
Processibility	No impact

Qualification of the change

Qualification Plan/Results

Action	Control Item	Frequency	Accept criteria	Results
Inner box drop test → 1 reel(200 pcs)	Pocket side impression	100%	No pocket side impression	Pass
	Pocket deformation	100%	No pocket deformation	
	Coplanarity check before& after	100%	No obvious difference for coplanarity before and after drop test using hypothesis analysis	
Outer box drop test → 3 reel(600 pcs)	Pocket side impression	100%	No pocket side impression	Pass
	Pocket deformation	100%	No pocket deformation	
	Coplanarity check before& after	100%	No obvious difference for coplanarity before and after drop test using hypothesis analysis	
D plane drop test → 1 reel(200 pcs)	Pocket side impression	100%	No pocket side impression	
	Pocket deformation	100%	No pocket deformation	
	Coplanarity check before& after	100%	No obvious difference for coplanarity before and after drop test using hypothesis analysis	
Packed units in tape& reel → 4 reels (800pcs)	Machine alarm	100%	No machine stop and alarm due to unit cannot pack in pocket	No Unit mismatch with the pocket



Product/process change information:

ADG/23/14292

ACEPACK SMIT: Carrier Tape Design Optimization

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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

PCI Title : ACEPACK SMIT: Carrier Tape Design Optimization

PCI Reference : ADG/23/14292

Subject : Public Products List

Dear Customer,

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

STGSH80HB65DAG	SH32N65DM6AG	SH63N65DM6AG
SH68N65DM6AG	STGSB200M65DF2AG	

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