

PRODUCT / PROCESS CHANGE NOTIFICATION

1. PCN basic data

1.1 Company	 STMicroelectronics International N.V
1.2 PCN No.	ADG/23/14041
1.3 Title of PCN	NTC Ag finishing and Cu WB on NTC
1.4 Product Category	IPM
1.5 Issue date	2023-04-06

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	Angelo RAO
2.2.2 Marketing Manager	Francesco TOSCANO
2.2.3 Quality Manager	Vincenzo MILITANO

3. Change

3.1 Category	3.2 Type of change	3.3 Manufacturing Location
Materials	New direct material part number (same supplier, different supplier or new supplier), Bumps	Shenzhen

4. Description of change

	Old	New
4.1 Description	Au finishing NTC(supplier: TDK) and Au WB on NTC	Ag finishing NTC(supplier: TDK) and Cu WB on NTC
4.2 Anticipated Impact on form, fit, function, quality, reliability or processability?	processability	

5. Reason / motivation for change

5.1 Motivation	Process optimization
5.2 Customer Benefit	SERVICE IMPROVEMENT

6. Marking of parts / traceability of change

6.1 Description	By new FG
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7. Timing / schedule

7.1 Date of qualification results	2023-03-30
7.2 Intended start of delivery	2023-06-30
7.3 Qualification sample available?	Upon Request

8. Qualification / Validation

8.1 Description	14041 RERPTD22042_1_NTC_Ag_SDIP2B_SDIP2F_STS (1).pdf		
8.2 Qualification report and qualification results	Available (see attachment)	Issue Date	2023-04-06

9. Attachments (additional documentations)

14041 Public product.pdf 14041 14041.pdf 14041 RERPTD22042_1_NTC_Ag_SDIP2B_SDIP2F_STS (1).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
	STGIB10CH60TS-L	
	STGIB15CH60TS-L	
	STGIB20M60TS-L	
	STGIB30M60TS-L	
	STGIB8CH60TS-E	
	STGIF10CH60TS-L	
	STGIF5CH60TS-L	
	STGIF7CH60TS-L	

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NTC Ag finishing and Cu WB on NTC

ADG/23/14041

Product family	Technology	Package
IPM	IGBT/ HV FDmesh II	SSDIP2B/SSDIP2F

Description of the change

We have changed the NTC finishing from Au to Ag and WB on NTC from Au to Cu

Reason

Process optimization

Date of implementation

May 2023

Impact of the change

Form	
Fit	
Function	
Reliability	
Processibility	x

Qualification of the change

Reliability performed on 3 test vehicles

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 : NTC Ag finishing and Cu WB on NTC

PCN Reference : ADG/23/14041

Subject : Public Products List

Dear Customer,

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

STGIB10CH60TS-L	STGIF5CH60TS-X	STGIB8CH60TS-XZ
STGIB15CH60TS-XZ	STGIF7CH60TS-L	STGIB8CH60TS-E
STGIF7CH60TS-X	STGIF5CH60TS-L	STGIB20M60TS-L
STGIB30M60TS-L	STGIB10CH60TS-XZ	STGIB15CH60TS-L
STIB1560DM2T-LZ	STGIF10CH60TS-L	

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