

PRODUCT / PROCESS CHANGE INFORMATION

1. PCI basic data

1.1 Company		STMicroelectronics International N.V
1.2 PCI No.		ADG/22/13201
1.3 Title of PCI		IPM SLLIMM 2nd series Full molded (FM) frame standardization
1.4 Product Category		IPM
1.5 Issue date		2022-01-04

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	Angelo RAO
2.1.2 Marketing Manager	Natale Sandro D'ANGELO
2.1.3 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), Lead frame base material	Shenzhen (China)

4. Description of change

	Old	New
4.1 Description	IPM SLLIMM 2nd series Full molded (FM) standard products have a different frame than enhanced ones with Transil inside	IPM SLLIMM 2nd series Full molded (FM) standard products will use same frame as enhanced ones with Transil inside. Moreover, on part numbers with NTC an Ag spot will be added on relevant pad
4.2 Anticipated Impact on form,fit, function, quality, reliability or processability?	no impacts	

5. Reason / motivation for change

5.1 Motivation	Supply Chain optimization
5.2 Customer Benefit	SERVICE IMPROVEMENT

6. Marking of parts / traceability of change

6.1 Description	By internal traceability and dedicated FG code.
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7. Timing / schedule

7.1 Date of qualification results	2021-12-21
7.2 Intended start of delivery	2022-01-02
7.3 Qualification sample available?	Upon Request

8. Qualification / Validation

8.1 Description	
8.2 Qualification report and qualification results	In progress

9. Attachments (additional documentations)

13201 Public product.pdf
13201 CN_II_21_04 SLLIMM 2nd series FM frame standardization.docx

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
	STGIF10CH60TS-L	
	STGIF5CH60TS-L	
	STGIF7CH60TS-L	

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Automotive and Discrete Group (ADG)
Power Transistor MACRO Division
IGBT and IPM Business Unit

CUSTOMER NOTIFICATION

IPM SLLIMM 2nd series Full molded (FM) frame standardization

INVOLVED PRODUCTS: IPM SLLIMM 2nd series Full molded (FM) – standard part numbers

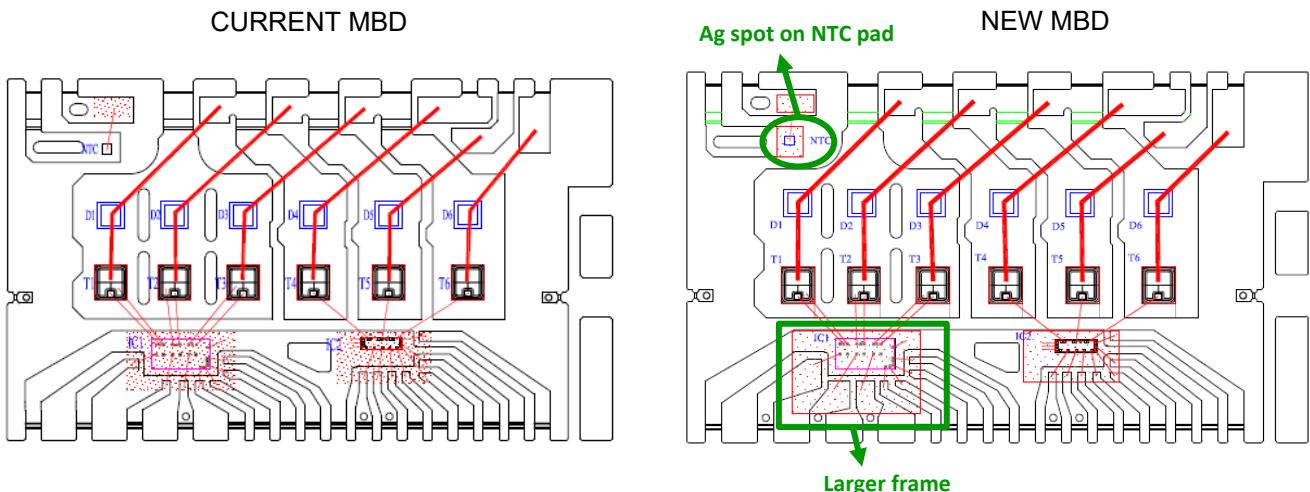
Dear valued Customer,

Purpose of the current notification is to inform you that, for supply chain optimization reason, we're going to unify the frame used on all IPM SLLIMM 2nd series FM family.

Standard part numbers (STGIFxxx-L/-X) will use same frame of enhanced ones with TVS inside for ESD robustness improvement (STGIFxxx-LZ/-XZ). New frame has larger pad on Vboot pins to allocate the TVS devices.

Moreover, an Ag spot will be added on NTC pad (where available) for reliability improvement.

Here below you can see a comparison picture between current and new Mounting Bond Diagram (MBD):



From a performance point of view, we can guarantee there are neither electrical nor thermal difference moving from current MBD to new one.

Impacted part numbers and relevant details on current and new frame are the following:

Commercial Product	Current frame supplier / code	New frame supplier / code
STGIF5CH60TS-X		
STGIF5CH60TS-L		
STGIF7CH60TS-L	MHT / 5FT80140	SDC / 5FT00564
STGIF7CH60TS-X		
STGIF10CH60TS-L		

STMicroelectronics is available for any additional support.

Best Regards,

Angelo RAO
ADG - Power Transistor Macro Division
Head of IGBT & IPM Business Unit





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 : IPM SLLIMM 2nd series Full molded (FM) frame standardization

PCI Reference : ADG/22/13201

Subject : Public Products List

Dear Customer,

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

STGIF7CH60TS-X	STGIF10CH60TS-L	STGIF5CH60TS-L
STGIF5CH60TS-X	STGIF7CH60TS-L	



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