

PRODUCT / PROCESS CHANGE NOTIFICATION

1. PCN basic data

1.1 Company		STMicroelectronics International N.V
1.2 PCN No.	AMS/22/13807	
1.3 Title of PCN	Linear Voltage Regulators: new die introduction for the L78M05 in HBIP40 Technology.	
1.4 Product Category	Pls refer to Products List.	
1.5 Issue date	2022-11-29	

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	Marcello SAN BIAGIO
2.1.2 Marketing Manager	Salvatore DI VINCENZO
2.1.3 Quality Manager	Giuseppe LISI

3. Change

3.1 Category	3.2 Type of change	3.3 Manufacturing Location
General Product & Design	Die redesign : Mask or mask set change with new die design like metallization (specifically chip frontside) or bug fix	AMK6 (ST Singapore Fab)

4. Description of change

	Old	New
4.1 Description	L78M05AC and L78M05AB in LAAT technology. L78M05C in LAAT and HBIP40 technologies.	All PNs (L78M05XX) in HBIP40 technology.
4.2 Anticipated Impact on form,fit, function, quality, reliability or processability?	No changes in term of Quality, Reliability and Electrical Characteristics.	

5. Reason / motivation for change

5.1 Motivation	With the scope of the continuous improvement, an optimized layout version of L78M05XX has been implemented for all packages. Electrical characteristics remain unchanged. Quality and Reliability parameters are still guaranteed at the same level as in the past. The change will increase our flexibility and production capability in order to better meet and satisfy customers demand.
5.2 Customer Benefit	SERVICE IMPROVEMENT

6. Marking of parts / traceability of change

6.1 Description	New dedicated FGs.
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7. Timing / schedule

7.1 Date of qualification results	2022-11-04
7.2 Intended start of delivery	2023-04-03
7.3 Qualification sample available?	Upon Request

8. Qualification / Validation

8.1 Description	13807 QR.zip		
8.2 Qualification report and qualification results	Available (see attachment)	Issue Date	2022-11-29

9. Attachments (additional documentations)

13807 Public product.pdf
13807 QR.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
497-1201-2-ND	L78M05ABDT-TR	
L78M05ABDT-TR	L78M05ABDT-TR	
	L78M05ABV	
	L78M05ABV-DG	
497-1202-2-ND	L78M05ACDT-TR	
L78M05ACDT-TR	L78M05ACDT-TR	
497-1203-2-ND	L78M05CDT-TR	
L78M05CDT-TR	L78M05CDT-TR	
L78M05CP	L78M05CP	
497-2957-5-ND	L78M05CV	
L78M05CV	L78M05CV	
	L78M05CV-DG	



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 : ST Muar (Malaysia) Additional capacity through High Density Leadframe for STM8A AUTOMOTIVE listed products in LQFP32 & LQFP48 7x7 packages

PCN Reference : MDG/22/12676

Subject : Public Products List

Dear Customer,

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

STM8AF6288TAY	STM8AF6268TAX	STM8AF6266TDX
STM8AF6288TAX	STM8AF6266TCX	STM8AF6388TCY
STM8AF6388TDX	STM8AF6246TASSSY	STM8AF5268TAY
STM8AL3148TCX	STM8AF5288TCX	STM8AF6388TCX
STM8AF6226TASSSX	STM8AL3166TAY	STM8AF6266TCY
STM8AL3188TCY	STM8AF6226TAY	STM8AF6268TAY
STM8AF6266TDY	STM8AF6246TCSSSX	STM8AL31E88TAY
STM8AL3138TAY	STM8AF6226TASSSY	STM8AF5268TAX
STM8AL3L48TCY	STM8AF6248TCY	STM8AL3L68TAX
STM8AF6246TCSSSY	STM8AF52A8TCY	STM8AF6268TDX
STM8AF52A8TCX	STM8AL3168TCX	STM8AF5288TAY
STM8AF6266ITCY	STM8AF6246ITCX	STM8AL3146TAY
STM8AL3LE88TCY	STM8AL3168TCY	STM8AF6246ITDY
STM8AL3L66TCY	STM8AL3148TAY	STM8AF5288TAX
STM8AF5268TCX	STM8AF52A8TAY	STM8AF5268TCY
STM8AF6246ITDX	STM8AL31E88TCX	STM8AL3L88TAY
STM8AF6246TDSSSX	STM8AF6268TDY	STM8AF6286TAX
STM8AF6248TDX	STM8AF6366TCX	STM8AF5288TDX
STM8AL3168TAY	STM8AF6286TCY	STM8AF6248TCX
STM8AF5288TCY	STM8AF6266ITCX	STM8AL3LE88TAY
STM8AF62A8TDX	STM8AF52A8TDX	STM8AL3148TCY
STM8AF6288TCY	STM8AF6288TDX	STM8AL3166TAX
STM8AF6248TAY	STM8AL3L68TAY	STM8AF6366TCY
STM8AF6248TDY	STM8AL3188TCX	STM8AF6246TASSSX
STM8AF52A8TAX	STM8AL3188TAY	STM8AL3136TCY
STM8AF6226TCY	STM8AF6268TCX	STM8AL3L88TCX
STM8AL3L48TAY	STM8AF6266TAY	STM8AL3LE88TCX
STM8AF6268TCY	STM8AF5268TDY	STM8AF6246TDSSSY
STM8AF5288TDY	STM8AL3188TAX	STM8AL3146TCY
STM8AF6266TAX	STM8AF6286TCX	STM8AF52A8TDY
STM8AL3138TCX	STM8AF62A8TDY	STM8AF6226TDY
STM8AF6286TAY	STM8AF62A8TCY	STM8AL3136TAY
STM8AL3166TCY	STM8AF62A8TCX	STM8AF6288TDY
STM8AF6288TCX	STM8AL3L68TCY	STM8AL3L46TAY
STM8AL3L66TAY	STM8AL3L46TCY	STM8AL31E88TCY



Public Products List

STM8AL3L88TCY	STM8AF6246ITCY	STM8AL3168TAX
STM8AL3138TCY		



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