


PRODUCT / PROCESS CHANGE NOTIFICATION

1. PCN basic data

| | | |
|----------------------|---|--------------------------------------|
| 1.1 Company |  | STMicroelectronics International N.V |
| 1.2 PCN No. | AMS/21/12663 | |
| 1.3 Title of PCN | Power Management BU: ST1PS01 datasheet modification | |
| 1.4 Product Category | See product list | |
| 1.5 Issue date | 2021-09-22 | |

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 (Test Program) | SBL or PAT criteria or Scrap limit relaxation in case initially agreed with the customer | Final test : ST Shenzhen |

4. Description of change

| | | |
|---|---|---|
| | Old | New |
| 4.1 Description | Electrical Parameter ILIM1 a) High-side MOSFET switch current limit:580mA (min),700mA(typ),820mA(MAX) b) Low-side MOSFET switch current limit: 500mA(typ) | Electrical Parameter ILIM1 High-side MOSFET switch current limit: 500mA(min), 1150mA(MAX) |
| 4.2 Anticipated Impact on form,fit, function, quality, reliability or processability? | Yield Improvements. No impact on Quality and Reliability Characteristics on final product | |

5. Reason / motivation for change

| | |
|----------------------|---|
| 5.1 Motivation | Following Divisional Commitments towards a continuous improvement philosophy, the Power Management BU implemented electrical specification changes on ST1PS01 product. In particular ILIM1 values range have been modified as follow ILIM1: 500mA(min), 1150mA(MAX). This is translated in a better service and an augmented product quality. |
| 5.2 Customer Benefit | SERVICE IMPROVEMENT |

6. Marking of parts / traceability of change

| | |
|-----------------|--|
| 6.1 Description | The traceability of the new parts will be ensured by different internal codification and QA number |
|-----------------|--|

7. Timing / schedule

| | |
|-------------------------------------|--------------|
| 7.1 Date of qualification results | 2021-09-05 |
| 7.2 Intended start of delivery | 2021-12-20 |
| 7.3 Qualification sample available? | Upon Request |

8. Qualification / Validation

| | | | |
|--|--|-------------------|------------|
| 8.1 Description | 12663 W6337_381-18- ST1PS01-UBA5_Flip_Chip_1000h.pdf | | |
| 8.2 Qualification report and qualification results | Available (see attachment) | Issue Date | 2021-09-22 |

9. Attachments (additional documentations)

12663 Public product.pdf
12663 W6337_381-18- ST1PS01-UBA5_Flip_Chip_1000h.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 |
| | ST1PS01AJR | |
| | ST1PS01DJR | |
| | ST1PS01EJR | |



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 : Power Management BU: ST1PS01 datasheet modification

PCN Reference : AMS/21/12663

Subject : Public Products List

Dear Customer,

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

| | | |
|------------|------------|------------|
| ST1PS01DJR | ST1PS01EJR | ST1PS01AJR |
|------------|------------|------------|



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