


PRODUCT / PROCESS CHANGE NOTIFICATION

1. PCN basic data

| | | |
|-----------------------------|--|--------------------------------------|
| 1.1 Company |  | STMicroelectronics International N.V |
| 1.2 PCN No. | MDG/16/9829 | |
| 1.3 Title of PCN | Update PCN 9160 in UFQFPN 4x4 package only - ST Calamba Philippines additional source for STM8S/L & STM32 products | |
| 1.4 Product Category | UFQFPN 4x4 package only. UFQFPN 5x5 and 7x7 packages unchanged as PCN 9160. | |
| 1.5 Issue date | 2016-06-14 | |

2. PCN Team

| | |
|----------------------------------|---------------------|
| 2.1 Contact supplier | |
| 2.1.1 Name | SETTLES JEFF |
| 2.1.2 Phone | +44 1628896222 |
| 2.1.3 Email | jeff.settles@st.com |
| 2.2 Change responsibility | |
| 2.2.1 Product Manager | Michel BUFFA |
| 2.1.2 Marketing Manager | Daniel COLONNA |
| 2.1.3 Quality Manager | Pascal NARCHE |

3. Change

| | | |
|---------------------|---|--|
| 3.1 Category | 3.2 Type of change | 3.3 Manufacturing Location |
| Materials | Any change on substrate (part number, supplier, plant, design or composition of any layer...) | STATS ChipPAC Shanghai China, ST Calamba Philippines |

4. Description of change

| | | |
|--|---|---|
| | Old | New |
| 4.1 Description | Die attach Glue : Ablestick 8006NS | Die attach Glue : TAPE LOCTITE ABLESTIK ATBF125E PCN 9829 addendum to PCN 9160 See 9829_Additional information attached document. |
| 4.2 Anticipated Impact on form,fit, function, quality, reliability or processability? | Form : lead color and surface finish change depending on lead finishing. Package darkness changes depending on molding. See in 9829_Additional information attached document. | |

5. Reason / motivation for change

| | |
|-----------------------------|---|
| 5.1 Motivation | ST Calamba Philippines will directly qualify a better Die attach Glue material. |
| 5.2 Customer Benefit | QUALITY IMPROVEMENT |

6. Marking of parts / traceability of change

| | |
|------------------------|---|
| 6.1 Description | See more detail in 9829_Additional information attached document. |
|------------------------|---|

7. Timing / schedule

| | |
|--|--------------|
| 7.1 Date of qualification results | 2016-10-21 |
| 7.2 Intended start of delivery | 2016-11-21 |
| 7.3 Qualification sample available? | Upon Request |

8. Qualification / Validation

| | | | |
|---|---|-------------------|------------|
| 8.1 Description | PCN9829_RERMCD1602 reliability plan for ST Calamba UFQFPN 4x4.pdf | | |
| 8.2 Qualification report and qualification results | Available (see attachment) | Issue Date | 2016-06-14 |

9. Attachments (additional documentations)

9829PpPrdtLst.pdf
9829_Additional information.pdf
PCN9829_RERMCD1602 reliability plan for ST Calamba UFQFPN 4x4.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 |
| | STM32F031G4U6 | |
| | STM32F042G4U6 | |
| | STM8L151G3U6 | |
| | STM8L151G3U6TR | |

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