



Product Change Notice

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QMS Approval n° 9910354

Product Change Notice #: 024

Date: 1st Dec 2015

Title of Change: Retinning materials changes to Sn91.5Sb8.5

Type Of Change

- | | |
|---|---|
| <input type="checkbox"/> Manufacturing Site Change | <input type="checkbox"/> Shipping / Packaging Material Change |
| <input type="checkbox"/> Manufacturing Process Change | <input type="checkbox"/> Packing / Label / Marking Change |
| <input type="checkbox"/> Product Revision | <input type="checkbox"/> Product End Of Life (EOL) |
| <input checked="" type="checkbox"/> Material Change | <input type="checkbox"/> Data Sheet Change |

Description of Change

3D PLUS will change the material for the basic components retinning inside of the module from Sn96Ag4 to Sn91.5Sb8.5, and this only affect 3D PLUS Flow1 process modules, which are manufactured without printed circuit board (PCB) inside of the module.

This material change will apply to the modules manufactured after 2016 with the data code later than 1600.

However, This material Change will not affect 3D PLUS retinning materials at module pins level, which is optional, and this retinning materials will stay at Sn63Pb37.

Reason for Change

- Sn91.5Sb8.5 has higher melting point than Sn96Ag4, and this will bring more margin when the user assembling the module with Sn63Pb37.
- No action required at user side to adapt to this material change.
- There is no update for 3D PLUS module assembly recommendation from this material change.
- The retinning process with this new material Sn91.5Sb8.5 has been successfully Space Qualified and included into the 3D PLUS Capability Domain qualified by European Space Agency (ESA) for Space Application.

Please contact 3D PLUS For more detailed information.

Contact Information

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3D PLUS Sites Affected

3D PLUS Buc High Rel.

3D PLUS Buc Indus.

Coming into force

PCN Coming into force: Immediate effect