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Unterpremstätten, January 7, 2016

PCN11-2015

WLCSP Product Transfer from Flipchip International to DECA Technologies

Dear Customer,

Please be informed that ams AG is transferring the assembly location of ams AG WLCSP Products from Flipchip International in Phoenix, Arizona to DECA Technologies in the Philippines. DECA is another qualified assembly partner which runs our high volume products.

Below is DECA's exact assembly house location for the aforementioned affected package:

Deca Technologies (Philippines)

#100 East Main Ave SunPower Compound Laguna Techno Park Binan,

Laguna 4024 Philippines

Final Electrical testing will still be performed by ams AG.

In addition, this notification covers not only the **Assembly Site Transfer** but also the **Material Set Change**. The change in the material set was a qualified and standard material set by DECA and is fully supported by ams AG due to the advantages and benefits over the old material set.

**Bankverbindungen/
Bankaccounts**
UniCredit Bank Austria AG, Graz

IBAN EUR AT28 1200 0763 1316 1100
BIC BKAUATWW
IBAN USD AT60 1200 0763 1316 1106

BIC BKAUATWW
Firmenbuchgericht Graz
Firmenbuch Nr. FN 34109k

DVR 0420352
UID/VAT ATU 28560205



See details below:

Materials	DECA	Flipchip
Polymer1	7.5um PBO	5.0 um Spheron Similar material as PBO
Polymer2	7.5um PBO	5.0 um Spheron Similar material as PBO
UBM	TiW / Cu / Cu 0.06 / 0.2 / 9.0 [um]	Al / NiV / Cu
RDL	TiW / Cu / Cu 0.06 / 0.2 / 4.0 [um]	Al / Ti / Al
Laminate	Lintec 22um	Lintec 25 or 40um
Solderball	SAC 405	SAC266 / SAC105Ni
Overall Package Thickness	Same	as per GL drawing / datasheet
Pitch	same	as per GL drawing / datasheet

Purpose of Change

- The change is expected to improve the delivery performance, responsiveness and on-time delivery, without compromising Quality.
- To allow ams AG for more flexibility to meet diversified and changing customer demand.
- To reasonably protect the supply of customers' products.
- To have alternative and ready solution for issues like tight-line capacity situation, on-allocation situation, and any other manufacturing issues that can arise and potentially prevent ams AG from meeting the customer demand on time.



Qualification and Reliability Results

Results will be provided upon request.

Impact on Product

- a. No impact as there will be no change in terms of form, fit and function of the devices.

Affected Products:

AS3561-DWLT / AS3561-DWLM

AS5510-DWLT / AS5510-DWLM / AS5510 WLP (please refer to page 4)

Product Traceability

ams AG will be maintaining the existing Assembly Lot trace code format unique for each lot and for each assembly house / supplier.

Target Date of Implementation: end Q1 2016 or upon customer approval.

Upon customer approval ams AG will define a cut-off period.

Please be advised that unless we received your written refusal concerning this PCN in writing within 30 days, the PCN shall be deemed accepted.

If you do have further questions, please do not hesitate to contact me.

Best Regards,

A handwritten signature in black ink, appearing to read 'Herwig Klimesch'.

Herwig Klimesch
ams AG
VP Quality



Affected products:

AS3561-DWLT
AS3561-DWLM
AS5510-DWLT
AS5510-DWLM
AS5510 WLP