



Unterpemstaetten, June 27, 2014

**Subject: PCN14-2014 (Second source for wafer fabrication)**

Dear Customer,

In order to reasonably protect the supply of your product and to assure additional flexibility and capacity needed to further improve responsiveness and on time delivery to our customers, ams AG is currently qualifying a supplemental source for wafer fabrication.

This will enable us to better support the ever increasing demand in today's dynamic market environment and to have an alternative and ready solution for manufacturing 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.

The below mentioned devices, currently qualified at UMC Fab8E, will also be qualified at UMC Fab8AB.

Both UMC fabs are qualified manufacturing partner of ams AG for years. UMC Fab8E and Fab 8AB are certified in accordance with the ISO9001 and the automotive quality system requirements, ISO/TS16949.

**Process Flow Matrix**

This change covers only the wafer fabrication of the product. Assembly, testing and backend services will all be unchanged.

	Current supply chain	New supply chain
Wafer Fabrication	UMC Fab8E	UMC Fab8E <b>and/or Fab8AB</b>
Assembly	Hana LPN or Hana AYT	Hana LPN or Hana AYT
Testing	Hana LPN or Hana AYT	Hana LPN or Hana AYT
T&R / Labelling / Packing	Hana LPN or Hana AYT	Hana LPN or Hana AYT



**Advantages**

UMC Fab8E and Fab 8AB use same CMOS technology and similar equipment and matches therefore very well.

**The following products will be affected:**

- TMD26721
- TMD26723
- TMD27721
- TMD27723
- TSL25721FN
- TSL25723FN
- TSL26721FN
- TSL26723FN
- TSL27721FN
- TSL27723FN

**Timing of change:**

First production shipments by beginning of October 2014

**Set of qualification tests:**

ams is currently qualifying the additional wafer fabrication according to JEDEC standards. Detailed activities and an actual status of the qualification are available upon request.

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

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

Best regards,

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

Herwig Klimesch  
ams AG  
VP of Quality