



## Final Product Change Notification

201411007F01

**Issue Date:** 17-Nov-2014

**Effective Date:** 01-Apr-2015

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# QUALITY

### Management Summary

Wafer production for PCA85176T/Q900 and PCA85162T/Q90 will move from TSMC to Vanguard (VIS). We also change the wire bonding material from gold to copper and the mold compound.

### Change Category

<input type="checkbox"/> Wafer Fab process	<input checked="" type="checkbox"/> Assembly Process	<input checked="" type="checkbox"/> Product Marking	<input type="checkbox"/> Design
<input type="checkbox"/> Wafer Fab materials	<input checked="" type="checkbox"/> Assembly Materials	<input type="checkbox"/> Electrical spec./Test coverage	<input type="checkbox"/> Mechanical Specification
<input checked="" type="checkbox"/> Wafer Fab location	<input type="checkbox"/> Assembly Location	<input type="checkbox"/> Test Location	<input type="checkbox"/> Packing/Shipping/Labeling

**PCA85176T/Q900, PCA85162T/Q900 change to Cu wire, mold compound and wafer fab**

### Details of this Change

Wafer production for the display drivers PCF85176T (in TSSOP56) and PCF85162T (in TSSOP48) will move from TSMC to Vanguard (VIS). The semiconductor process will remain the same. Also the specification will be unchanged except some minor changes in current consumption.

We also change the wire bonding material from gold (Au) to copper (Cu). Along with this change a different mold compound will be used.

The overview of changes as well as the qualification report is attached to this notification.

There will be no effect in form or function related to this change.

### Why do we Implement this Change

- To align with world technology trends
- To use wiring with enhanced mechanical and electrical properties
- To simplify the supply chain

### Identification of Affected Products

Top side marking

Third line of the product marking will change start with an "r" instead of an "k"

### Product Availability

#### Sample Information

Samples are available upon request

#### Production

Planned first shipment 01-Apr-2015

## Impact

no impact to the product's functionality anticipated.

### Data Sheet Revision

A new datasheet will be issued

### Disposition of Old Products

Existing inventory will be shipped until depleted

## Timing and Logistics

Your acknowledgement of this change, conform JEDEC JESD46 D, is expected till 17-Dec-2014.

## Contact and Support

For all inquiries regarding the ePCN tool application or access issues, please contact NXP "Global Quality Support Team".

For all Quality Notification content inquiries, please contact your local NXP Sales Support team.

For specific questions on this notice or the products affected please contact our specialist directly:

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NXP Quality Management Team.

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