PRODUCT CHANGE NOTICE

Alternate Manufacturing Facilities for Assembly of the Listed Intersil QFN Packaged Products

Refer to: PCN14022

Date: April 04, 2014
April 04, 2014

To: Our Valued Intersil Customer

Subject: Alternate Manufacturing Facilities for Assembly of the Listed Intersil QFN Packaged Products – Amkor (ATP), Muntinlupa City, Philippines

This notice is to inform you that Intersil will begin using the Amkor (ATP) facility as an alternate site for assembly of the listed QFN (Quad Flat No-Lead) packaged products. The current facility STATS ChipPAC (SCM) located in Kuala Lumpur, Malaysia has officially announced plant closure by end of year 2014. The hyperlink to the announcement is http://www.statschippac.com/news/newscenter/2013/news06282013.aspx. As of the date of this notice, the product and site-specific qualification activities at the Amkor (ATP) facility is complete.

The Amkor (ATP) facility is ISO 9001:2008 and ISO/TS 16949:2009 certified. ATP is qualified as primary supplier to Intersil for high volume assembly of QFN packaged products. There is no change in the MSL (moisture sensitivity level) or POD (package outline drawing).

The assembly qualification plan is designed using JEDEC and other applicable industry standards to confirm there is no impact to form, fit, function, or interchangeability of the product. The remainder of the manufacturing operations (wafer fabrication, package level electrical testing, etc.) will continue to be processed to previously established conditions and systems.

Product affected by this change is identifiable via Intersil’s internal traceability system. In addition, product assembled at ATP may also be identified by the assembly site code (country of assembly) when marked on the devices. The site code for product assembled at ATP is “L”.

Intersil will take all necessary actions to conform to agreed upon customer requirements and to ensure the continued high quality and reliability of Intersil products being supplied. Customers may expect to receive product assembled at either the SCM or ATP facility beginning ninety days from the date of this notification or earlier with approval.

If you have concerns with this change notice, Intersil must hear from you promptly. Please contact the nearest Intersil Sales Office or call the Intersil Corporate line at 1-888-468-3774, in the United States, or 1-321-724-7143 outside of the United States.

Regards,

Jeff Touvell
Intersil Corporation

CC: D. Decrosta  S. Ang  C. Dunlap  T. Wolter
## PCN14022 – Amkor Reliability Qualification Results

<table>
<thead>
<tr>
<th>Stress / Conditions</th>
<th>Duration</th>
<th>ZL1505ALNFT 10 lead 3X3 DFN</th>
<th>ZL2105ALNFT 36 lead 6X6 QFN</th>
<th>ZL2006ALNFT 36 lead 6X6 QFN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Moisture Sensitivity Classification</td>
<td></td>
<td>N = 22 Acc = 0 L2 PBFREE</td>
<td>N = 22 Acc = 0 L2 PBFREE</td>
<td>N/A</td>
</tr>
<tr>
<td>Biased HAST +130°C / 85% RH</td>
<td>96 Hrs</td>
<td>N/A</td>
<td>N = 77 Acc = 0</td>
<td>N = 77 Acc = 0</td>
</tr>
<tr>
<td>Autoclave/PCT +121°C / 100% RH</td>
<td>96 Hrs</td>
<td>N/A</td>
<td>N/A</td>
<td>N = 77 Acc = 0</td>
</tr>
<tr>
<td>Unbiased HAST +130°C / 85% RH</td>
<td>96 Hrs</td>
<td>N = 78 Acc = 0</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Temp Cycle +125°C / -55°C</td>
<td>1000 Cy</td>
<td>N = 78 Acc = 0</td>
<td>N = 77 Acc = 0</td>
<td>N = 77 Acc = 0</td>
</tr>
<tr>
<td>High Temperature Storage $T_x = +150°C$</td>
<td>1000 Hrs</td>
<td>N = 78 Acc = 0</td>
<td>N/A</td>
<td>N = 77 Acc = 0</td>
</tr>
</tbody>
</table>

Qualification Completed & Passed
Qualification by Extension
1 TC 150°C to -65°C for 500 cycles

## PCN14022 – Affected Products

- ZL1505ALNFT
- ZL1505ALNFT6
- ZL8800ALAFTK
- ZL1505ALNFT1
- ZL8800ALAFT
- ZL8800ALAFTKR5637
- ZL1505ALNFT1S2568
- ZL8800ALAFT7A
- ZL8800ALAFTKS2568