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# **PRODUCT CHANGE NOTICE**

**Alternate Manufacturing  
Facility for Assembly of the  
Listed Intersil QFN/TQFN  
Packaged Products**

**Refer to:  
PCN14021**

**Date: March 27, 2014**

March 27, 2014

To: Our Valued Intersil Customer

Subject: **Alternate Manufacturing Facility for Assembly of the Listed Intersil QFN/TQFN Packaged Products** – *Advanced Semiconductor Engineering (ASECL) - Chung-Li, Taiwan*

This notice is to inform you that Intersil will begin using the Advanced Semiconductor Engineering (ASECL) facility as alternate site for assembly of the listed QFN/TQFN (Quad Flat No-Lead/Thin 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 Advanced Semiconductor Engineering (ASECL) facility are complete.

The Advanced Semiconductor Engineering (ASECL) facility is ISO 9001:2008 and ISO/TS 16949:2009 certified. ASECL is qualified as a primary supplier to Intersil for high volume assembly of QFN/TQFN 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. A summary of the qualification results are included for reference. 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 ASECL may also be identified by the assembly site code (country of assembly) when marked on the devices. The site code for the listed products assembled at ASECL is "W".

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 the SCM or ASECL 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

PCN14021

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# PCN14021 – ASECL Reliability Qualification Results

Stress / Conditions	Duration	ISL8016IR12Z 20 lead QFN	ISL8077IRTAJZ 16 lead QFN
Moisture Sensitivity Classification		N = 22 Acc = 0 L3 PBFREE	N = 22 Acc = 0 L3 PBFREE
High Temperature Operating + 125°C	1000 Hrs	N = 235 Acc = 0	N = 80 Acc = 0
Biased HAST +130C / 85% RH	96 Hrs	N = 234 Acc = 0	N = 234 Acc = 0
Temp Cycle +150C / -65C	500 Cy	N = 234 Acc = 0	N = 234 Acc = 0
High Temperature Storage T <sub>A</sub> = +150C	1000 Hrs	N = 234 Acc = 0	N = 234 Acc = 0

 Qualification by Extension  
 Qualification Completed & Passed

## PCN14021 – Affected Products (ASECL)

ISL8016IRAJZ	ISL8016IRAJZ-TS2490	ISL8023IRTAJZ-T	ISL8024AIRTAJZ
ISL8016IRAJZR5615	ISL8023AIRTAJZ	ISL8023IRTAJZ-T7	ISL8024AIRTAJZ-T
ISL8016IRAJZ-T	ISL8023AIRTAJZ-T	ISL8023IRTAJZ-T7A	ISL8024AIRTAJZ-T7A
ISL8016IRAJZ-T7A	ISL8023AIRTAJZ-T7A	ISL8023IRTAJZ-TR5194	ISL8024IRTAJZ-TS2568
ISL8016IRAJZT7AR5615	ISL8023IRTAJZ	ISL8023IRTAJZ-TS2568	ISL8077IRTAJZS2765
ISL8016IRAJZ-TR5615	ISL8023IRTAJZR5194	ISL8023IRTAJZ-TS2705	ISL8077IRTAJZ-TS2765